# **SERVICE MANUAL**

# LE-1 CHASSIS

MODEL

COMMANDER DEST.

RM-838 **AEP** 

KL-37W1

RM-838

**OIRT** 

KL-37W1U

KL-37W1K

RM-838 UK MODEL

COMMANDER DEST.

KL-50W1

KL-50W1K

RM-838

RM-838

**OIRT** 

**AEP** 

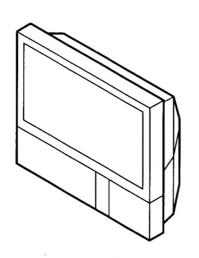
KL-50W1U

RM-838

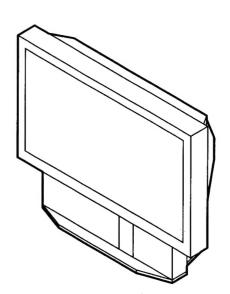
UK



RM-838



KL-37W1/37W1K/37W1U







# **Specifications**

This product complies with the EU Directive 89/336/EEC.

Television system	B/G/H, D/K, I, L
Colour system	PAL/SECAM
-	NTSC 3.58/4.43 (VIDEO IN)
Channel coverage	See "Receivable channels and
	channel displays" at the bottom.
Projected picture size	37 inches (KL-37W1)
	Approx. 94 cm diagonally
	50 inches (KL-50W1)
	Approx. 127 cm diagonally
Terminals	

1	eı	11	ıİI	٦a	IS

Rear

−

1 21-pin Euro connector
(CENELEC standard) inputs for audio
and video signals

- inputs for RGB

- outputs of TV video and audio signals

2/- 221-pin Euro connector - inputs for audio and video signals

- inputs for S video

 outputs for audio and video signals (selectable)

→ 4/ → 3 4 21-pin Euro connector - inputs for audio and video signals

- inputs for S video

- outputs for audio and video signals (monitor out)

-S 2, -S 4 S video inputs

- 4 pin DIN

→ Audio inputs (L, R) - phono jacks
 ⑤→ S video output 4-pin DIN
 → Audio outputs - phono jacks
 → Audio outputs (variable)-phono

jacks

Front

→ 3 video input - phono jack
 → Audio inputs - phono jacks
 → 3 S video input - 4-pin DIN
 ↑ Headphone jack: stereo minijack

Sound output

2 x 5 W (music power) Centre 1 x 20 W

Power consumption 170 W

Dimensions (W×H×D) 920×825×390 mm

(KL-37W1)

1,230 × 1,055 × 550 mm

(KL-50W1)

Mass

29 kg (KL-37W1) 43 kg (KL-50W1)

Supplied accessories

See page 6.

Other features

Digital comb filter (High resolution)

PAP (Picture-and-picture)

FASTEXT 100 Hz Digital Plus Graphic Equaliger

Design and specifications are subject to change without notice.

# Receivable Channels and Channel Displays

	Receivable channels	Indication on the screen
B/G/H	E212 2169	C02 C03 C04C12 C21C69
CABLE TV (1)	S141	S01 S02S41
CABLE TV (2)	S01S05 M1M10	S42S46 S01S10
	U1Ų10	S11S20
ITALIA	ABCDEFGHH1 H22169	C11C69
D/K	R01R12 R21R69	C02C12 C21C69
CABLE TV (1)		S01 S02S41
CABLE TV (2)		S42 S43S46
CABLE TV	BQ, S2141	S02, S03S17,
		S21S41
L	F2F10 F21F69	C01C12 C21C69
1	B21B68	C21C68

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# CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

SAFETY-RELATED COMPONENT WARNING!! COMPONENTS IDENTIFIED BY SHADING AND MARK 

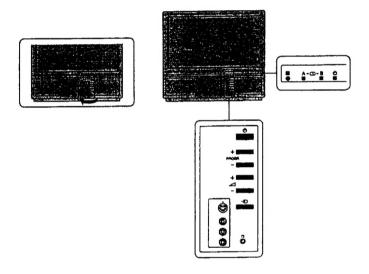
ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

# SECTION 1 GENERAL

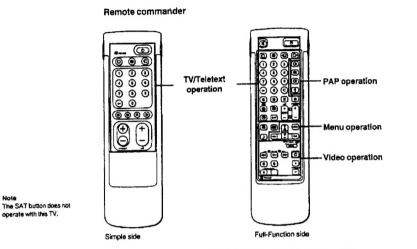
# Overview

This section briefly describes the buttons and controls on the TV set and on the Remote Commander. For more information, refer to the pages given next to each description.

TV set-front



Symbol	Name	Refer to page
ტ	Main power switch	14
ტ	Standby Indicator	14
A-CD-B	Stereo A/B indicators	16
PROGR+/-	Programme	14
1+t-	Volume buttons	14
Ð	input select buttons	15
Ω	Headphones jack	23
—603,—⊙3,—⊙3	Input jacks (S video/video/audio)	24



#### TV/Teletext operation

Symbol	Name	Refer to page
<b>«</b>	Mute on/off button	15
O	Standby button	14
0	TV power pn/TV mode selector button	14
<b>3</b>	Teletext button	15
Ð	Input mode selector	15
<b>→</b>	Output mode selector	24
1,2,3,4,5,6, 7,8,9 and 0	Number buttons	14
-/-	Double-digit entering button	14
C	Direct channel entering button	10
△+/-	Volume control button	14
PROGR+/-	Programme selectors	14
88 B	Teletext page access buttons	20
•	Picture adjustment button	16
D.	Sound adjustment button	16
<b>③</b>	On-screen display button	15
<b>6</b>	Teletext hold button	20
<b>©</b>	Time display button	15
-	Fastext buttons	20
•	"Freeze" button	15
<del>133</del>	Button to change Screen Forms	ıl 15

PAP (Picture-and-picture) operation

Symbol	Name	Refer to page
)	PAP on/off button	18
•	PAP source selector	18
30	Swap button	18
Œ	PAP freeze button	18

#### Menu operation

Symbol	Name	Refer to page
MENU	Menu or/off button	7
∆+/∇-	Select buttons	7
OK	OK(confirming)button	7
-	Back button	7

#### Video operation

iaco operanen		
Name	Refer to page	
Video equipment selector	26	
Video equipment operation buttons	26	
	Name Video equipment selector Video equipment operation	

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# **Step 1 Preparation**



# 1 Check the supplied accessories

When you've taken everything out of the carton, check that you have these items:

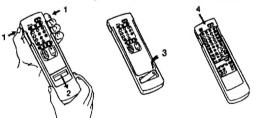
- RM-838 Remote Commander
- One IEC designation R6 battery
- Lamp (1) Wrench (1)



Check the correct

polarities.

2 Insert the battery into the Remote Commander

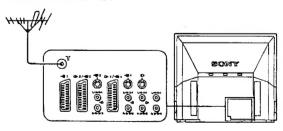


Note: Always remember to dispose of used batteries in an enviromental triendly way.

Refit the outside cover making sure that the Full-Function side is visible to use the menu in step 2.

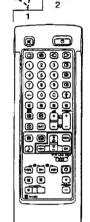
# 3 Connect the aerial

Remove the cover.



Fit an IEC aerial connector attached to 75-ohm coaxial cable (not supplied) to the TF socket at the rear of the TV.

# Step 2 Tuning in to TV Stations



Once you have set up the TV, you can choose the language of the menu. Then, you should preset the channels (up to 100 channels) by choosing either the automatic or manual method. The automatic method is easier if you want to preset all receivable channels at once. Use the manual method if you only have a few channels and want to preset channels one by one.

#### Before you begin

- Check that the Full-Function side of the Remote Commander is visible.
- Locate Menu operation buttons on the Remote Commander. They are shaded in the illustration at the left.

# 1 Choose a language

- 1 Press O on the TV. The TV will switch on. If the standby indicator on the TV is fit, press O or a number button on the Remote Commander.
- Press the MENU button.
   The LANGUAGE menu appears, (See Fig. 1.)



3 Select the language you want with △ + or ∇ - and press OK.



GB

Fig. 1

To go back to main menu
Keep pressing ←.

To go back to the normal TV picture
Press MENU. Normal
TV picture will be restored after one

minute if menu functions are not selected.

Press MENU to stop the

Note on the Demo function If you choose Demo in the installation menu, you can see a sequential demonstration of the menu functions.

# 2 Display the menu

Press MENU.

The main menu appears. (See Fig. 2.)

Using  $\Delta$  + or  $\nabla$  - select the symbol  $\stackrel{\triangle}{\rightleftharpoons}$  and press OK. Now, choose one of the methods described overleaf:

"Preset Channels Automatically"

or

"Preset Channels Manually"



Flg. 2

- Select the symbol rightarrow for "Preset" with  $\Delta +$  or  $\nabla -$  and press OK. The PRESET menu appears. (See Fig. 3.)
- 2 Select "Auto Programme" with ∆+ or ∇- and press OK. The AUTO PROGRAMME menu appears. (See Fig. 4.)
- 3 Press OK.

Select If necessary the TV broadcast system (B/G for Western European or D/K for Eastern European countries) with ∆+ or ∇and press OK. The first element of the "PROG" number will be highlighted.

4 Select the programme (number button) from which you want to start presetting. Select the first element of the double-digit number with △+ or ∇- or the number buttons (e.g., For "04," select "0" here) and press OK.

The second element of "PROG" will be highlighted.

- 5 Select the second element of the double-digit number with  $\Delta$ + or ∇- or the number buttons (e.g., For "04," select "4" here) (See Fig. 5) and press OK.
- 6 Select "C" or "S" with Δ+ or ∇- and press OK. The automatic channel presetting starts. When presetting is linished, the preset menu reappears. All available channels are now stored on successive number buttons. Press menu to restore normal TV picture.



Fla. 3



Fig. 4



SYS MOG OH LABEL

I les this method if there are only a few channels in your area to preset or if you want to preset channels one by one. You may also allocate programme numbers to

If you have made a mistake Press + to go back to the previous position.

rugni oebiv zuohav

sources.

To return to the main Keep pressing -.

To go back to the normal TV picture Press MENU.

To tune in a channel by

enter three digits using

the number buttons.

frequency After selecting F in step 6. 3 Preset channels manually Select the symbol riangleq for "Preset" with riangled + or riangled - and press OK.

- The PRESET menu appears. (See Fig. 6.) 2 Select "Manual Programme Preset" with ∆+ or ∇- and press OK. The MANUAL PROGRAMME PRESET menu appears. (See Fig.
- 3 Using  $\Delta$ + or  $\nabla$ -, select the programme position (number button) to which you want to preset a channel, and press OK.
- 4 Select, if necessary the TV broadcast system or a video input source (EXT)) with  $\Delta + \text{ or } \nabla -$ .
- 5 Then press OK. The CH position will be highlighted. (See Fig. 8.)
- 6 Using Δ+ or ∇-, select C (to preset a regular channel), S (cable channel) or F (to tune in by frequency) and press OK. The first element of the "CH" number will be highlighted. If you have selected EXT in step 5, select the video input source with ∆+ or V-. (See Fig. 9.)

There are two ways to preset channels, If you know the channel number, go to step "7-Manual,"

If you don't know the channel number, go to step "7-Search."

7 Manual

- -a Select the first element of the "CH" number with ∆+ or V- or the number buttons and press OK. The second element of the "CH" number will be highlighted.
- -b Select the second element of the number with ∆+ or ∇- or the number buttons.

The selected number appears. (See Fig. 10.)

-c Press OK The "SEARCH" position is highlighted and the selected channel is now stored. (See Fig. 11.)

- -d Press OK until the cursor appears by the next programme position.
- -e Repeat steps 3 to 7 to preset other channels.
- -a Press OK repeatedly until the colour of the SEARCH position
- -b Start searching for the channel with Δ+ (up) or ∇- (down). The CH position changes colour. (See Fig. 12.) The CH number starts counting up or downwards. When a channel is found, it stops. (See Fig. 13.)
- -c Press OK if you want to store this channel. If not, press ∆+ or ∇to continue channel searching.
- -d Press OK until the cursor appears by the next programme position.
- -e Repeat steps 3 to 7 to preset other channels.





Flg.7

#2 8G CE M ----

---- IVA TAS C=

#2 BG CE #1 ----

Flg. 10

#2 B/G C15 pf ----

Flg. 11

#2 BG G35 eff ----

Fig. 12

#2 BG C50 AT----

Fig. 13

To go back to the main Keep pressing +.

To stop automatic channel presetting Press - on the Remote Commander

#### Notes

0

· After presetting the channels automatically you can check which channels are stored on which programme positions. For details, see "Displaying the Programme Yable" on 380e 15

· You can sort the programme positions to have them appear on screen in the order you like. For details, see "Sorting Programme Positions" on page 10.

**6** 

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00000

**•**  This section shows you additional presetting functions such as sorting or skipping programme positions, captioning a station name, manual fine-tuning, and using the parental lock.

#### Before you begin

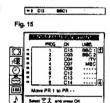
- Check that the Full Function side of the Remote Commander is visible.
- Locate the Menu operation buttons.

# **Sorting Programme Positions**

preferable order.

- Press MENU to display the main menu.
- The PRESET menu appears.
- Select "Programme Sorting" with  $\Delta$  + or  $\nabla$  and press OK.
- Using ∆+ or ∇-, select the programme position you want to move to another and press OK. The colour of the selected position changes. (See Fig. 15.)





Flg. 16

With this function, you can sort the programme positions to a

- Select the symbol  $\stackrel{\triangle}{\rightleftharpoons}$  for "Preset" with  $\triangle$  + or  $\nabla$  and press OK.
- The PROGRAMME SORTING menu appears. (See Fig. 14.)
- Using ∆+ or ∇-, select the programme position to which you want to move the channel of the programme position selected in step 4 and press OK. Now the programme positions have been sorted. (See Fig. 16.)
- 6 Repeat steps 4 and 5 to sort other programme positions.

#### INSTALLATION A

#### Using "Further Programme Preset"

Using the menu "further Programme Preset" you can

- a) in case of a strong local aerial signal (striped picture) attenuate the signal individually for each programme position (AF attenuator).
- b) individually adjust and store the volume level of each channel
- c) in case of a strong sound signal (distorted sound), attenuate the sound signal for each programme position.
- d) use the manual fine tuning to obtain a better picture reception, if the picture is distorted. Normally the AFT (automatic fine tuning) is operating.
- 1 Press MENU to display the main menu.
- 2 Select the symbol for "Preset" with ∆+ or ∇- and press OK. The PRESET menu appears.
- 3 Select "Installation" with ∆+ or ∇- and press OK. The INSTALLATION menu appears.
- 4 Select "Further Programme Preset" with Δ+ or ∇- and press OK. The FURTHER PROGRAMME PRESET menu appears (See Fig.
- 5 Using  $\Delta$ + or  $\nabla$  select the desired programme position and press OK once to select a) "ATT" (RF Attenuator), twice to select b) "VOL" (Volume offset), three times to select c) "IN-AMP" (Input Amplifier) or four times to select d) AFT (Automatic Fine Tuning) The selected item changes colour.

To adjust or change:

#### a) RF attenuator (ATT)

Using  $\Delta +$  or  $\nabla -$  select "On" for the selected programme position. Press OK to confirm the selection. Repeat step 5 to attenuate other programme positions.

#### b) Volume offset (VOL)

Using ∆+ or ∇-you can adjust the volume level for the selected programme position within a range form -7 to +7. Press OK to store the volume level. Repeat step 5 to set the volume level for other programme positions.

#### c) IN-AMP (Input amplifier)

Using  $\Delta +$  or  $\nabla -$  select 'Off' for the selected programme position. Press OK to confirm the selection. Repeat step 5 to switch off the input amplifier for other programme positions.

To reactivate AFT

(Automatic Fine

Repeat from the

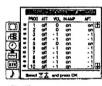
beginnig and select "ON"

Tuning)

in step 5.

Using  $\Delta$ + or  $\nabla$ - you can fine-tune the channel within a range from -15 to +15. Press OK to store the fine-tuned level. Repeat step 5 to fine-tune the other channels.

6 Press MENU to return to the normal TV mode.



GB

For higher programme The display scrolls automatically

If you have made a Press - to no back to the previous position

To go back to main Keep pressing -.

To go back to the normal TV picture Press MENU

10

To go back to main menu Keep pressing ←.

To go back to the normal TV picture Press MENU.



 $\infty$ 

# **Skipping Programme Positions**

You can skip unused programme positions when selecting programmes with PROGR+/- buttons. However, the skipped programmes may still be called up when you use the number buttons.

- 1 Press MENU to display the main menu.
- 2 Select the symbol ☐ for "Preset" with △+ or ∇-- and press OK. The PRESET menu appears.
- 3 Select "Manual Programme Preser" with △+ or ∇- and press OK. The MANUAL PROGRAMME PRESET menu appears. (See Fig. 18.)
- 4 Using ∆+ or ∇-, select the programme position which you want to skip and press OK. The "SYS" position changes colour.
- 5 Press △+ or ∇- until "---" appears in the SYSTEM position. (See Fig. 19.)
- Press OK. (See Fig. 20.) When you select programmes using the PROGR +/- buttons, the programme position will be skipped.
- 7 Repeat steps 4 to 6 to skip other programme positions.

# PROGE



Fig. 18

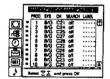
Fig. 19

Flg. 20

## Captioning a Station Name

Programme names are usually automatically taken from Teletext if available, You can also "name" a channel or an input video source using up to five characters (letters or numbers) to be displayed on the TV screen (e.g. BBC1). Using this function, you can easily identify which channel or video source you are walching.

- 1 Press MENU to display the main menu.
- 2 Select the symbol ☐ for "Preset" with △+ or ∇- and press OK. The PRESET menu appears.
- 3 Select "Manual Programme Preset" with △+ or ∇- and press OK. The MANUAL PROGRAMME PRESET menu appears. (See Fig. 21.)
- 4 Using ∆+ or ∇−, select the programme position you want to caption and press OK repeatedly until the first element of the LABEL position is highlighted.
- 5 Select a letter or number with Δ+ or ∇- and press OK. The next element witl be highlighted. Select other characters in the same way. If you want to leave an element blank, select - and press OK. (See Fig. 22.)
- 6 After selecting all the characters, press OK repealedly until the cursor appears by the next programme position (at the left margin). Now the caption you chose is stored. (See Fig. 23.)
- 7 Repeat steps 5 and 6 to caption names for other channels.



Flg. 21

= 2	MG	C23	-	4
. 22				

m2 BVG C21 ex SONY

Fig. 23

#### PARENTALLOCK

If you try to select a programme that has been blocked. The message "LOCKED" appears on the blank TV screen.

#### Parental Lock

You can prevent undesirable broadcasts from appearing on the screen. We suggest you use this function to prevent children from watching programmes which you consider unsuitable.

- 1 Press MENU to display the main menu.
- Select the symbol ☐ for "Preset" with Δ+ or ∇-- and press OK.
   The PRESET menu appears.
- 3 Select "Parental Lock" with Δ+ or V- and press OK. The PARENTAL LOCK menu appears. (See Fig. 24.)
- 4 Using ∆+ or ∇-, select the programme position you want to block and press OK. The symbol ② appears in front of the programme number indicating that this programme is now blocked. (See Fig. 25.)
- 5 Repeat step 4 to block other programme positions.

#### Cancelling blocking

- On the PARENTAL LOCK menu, select the programme position you want to unblock with ∆+ or ∇−.
- Press OK.
   The symbol @ disappears indicating that the blocking has been

# Tuning in a Channel Temporarily

You can tune in to a channel temporarily, even when it has not been preset. Use the buttons on the Full-Function side of the Remote Commander.

Press C on the Remote Commander. For cable channels, press C twice.

The indication "C" ("S" for cable channels) appears on the screen. (See Fig. 26.)

2 Enter the doubte-digit channel number using the number buttons (e.g. for channel 4, first press 0, then 4). The channel appears. However, the channel will not be stored.



Flg. 24



C--

Fig. 26

12

# **Operating Instructions**

# Watching the TV



If no picture appears when you depress 0 on the TV and If the standby Indicator on the TV is III, the TV is in standby mode. Press 0 or one of the number buttons to switch it on.

14

This section explains the basic functions you use while watching TV. Most of the operations can be done using the simple side of the Remote Commander.

### Switching the TV on and off

Switching on Depress 0 on the TV.

#### Switching off temporarily

Press & on the Remote Commander.
The TV enters standby mode and the standby indicator on the front of the TV lights up in red.

#### To switch on again

Press O, PROGR +/-, or one of the number buttons on the Remote Commander.

#### Switching off completely

Depress 0 on the TV and indicator on the front of the TV lights up in amber.

# Selecting TV Programmes

Press PROGR +/- or press the number buttons.

#### To select a double-digit number

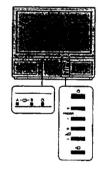
Press /-, then the numbers.
For example, If you want to choose 23, press /-, 2 and 3.

#### Adjusting the Volume

Press ⊿ +/-.

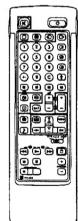
# Operating the TV Using the Buttons on the TV

To select the programme number, press the PROGR +/- buttons. To adjust the volume, press the ⊿ +/- buttons. To select the video input picture, press the ⊕ button. To reset picture and sound controls to the factory preset level (RESET function), press PROGR +/- buttons simultaneously.



For details of the teletext operation, refer to page 20.

For details of the video input picture, refer to page 24.



# Watching Teletext or Video Input

#### Watching teletext

- 1 Press @ to view the teletext.
- For teletext operation, enter a 3-digit page number with the number buttons to select a page.
   For lastext operation, press one of the coloured buttons.
  - For lastext operation, press one of the coloured buttons.

    For both operations, press 

    (PAGE+) for the next page or

    (PAGE+) for the preceding page.

# 3 To go back to the normal TV picture, press O. Watching a video Input picture

- 1 Press repeatedly until the desired video input appears.
- 2 To go back to the normal TV picture, press O.

#### **More Convenient Functions**

Use the Full-Function side of the Remote Commander.

#### Displaying the on screen indications

#### Muting the sound

#### Press ♥.

To resume normal sound, press ⊄ again.

#### Displaying the time

Press ②. This function is available only when teletext is broadcast. To make the time display disappear, press ② again.

#### Displaying the Programme Table

Press OK. A Programme Table will be displayed on the left side of the TV screen. (See Fig. 27.)

#### Selecting TV programmes

Press PROGR +/- or select the desired programme position using  $\Delta$ + or  $\nabla$ - and press OK.

To make the Programme Table disappear, press MENU.

#### Freezing the Picture

When watching the TV you have the possibility to Treeze" the picture. Press @. Press the button again to return to the normal TV picture.

#### Changing the Screen format

Press ## repeatedly to change the Screen mode as follows: 4:3 (4:3 picture)

- → Smart (imitation of 16:9 for 4:3 broadcast)
- Zoom (imitation of 16:9 for movies broadcast in cinemascopic format)
- → Wide (for 16:9 broadcast).
  See also page 19 for more information.





Fig. 27



If you have made a mistake
Press ← to go back to the previous position.
To go back to the main menu
Keep pressing ←.

#### Notes

10

- HUE is only available for NTSC colour systems.
   Hall Surround is not
- Hall Surround is n available via headphones.

Note on LINE OUT
The audio level and the
dual sound mode output
from the 3- jack on the
rear correspond to the
HEADPHONES
VOLUME and DUAL
SOUND settings.

When watching a video input source with stereo sound You can select DUAL SOUND to change the sound.

# Adjusting the Picture and Sound

Although the picture and sound are adjusted at the factory, you can adjust them to suit your own taste. You can also select dual sound (billingual) programmes when available or adjust the sound for listening with the headphones. Also you have the possibility to adjust the sound to your individual taste using the Graphic Equalizer and special Sound effects.

1 Press (for picture) or J (for sound) on the Remote Commander.

Press MENU and select the symbol @ for Picture Control or.)
Sound Control, then press OK.
The PICTURE CONTROL or SOUND CONTROL menu appears.
(See Fig. 28.)

2 Using ∆+ or ∇-, select the item you want to adjust and press OK. The selected item changes colour. (See Fig. 30.)

3 Adjust the setting with Δ+ or ∇- and press OK. The cursor appears beside the next item (at the left margin). (See Fig. 31.) For the effect of each control, see the lable below.

4 Repeat steps 2 and 3 to adjust other items.

5 Press MENU to return to TV picture.



Note: The modifications

made in "USER" mode

will be stored. All other

settings are reset to

(acton-set level when

you change to another

TIME BOTH AND SHOP

To switch off the time?

Select "OFF" in step 3.

To check the

Press (3.

remaining time

To go back to the

normal TV picture Press MENU.

mode

Fig. 28



Fig. 29

Fig. 30

© Brightmans @

Fig. 31

#### Effect of each control

PICTURE CONTROL	Effect
Contrast	Less More
Brightness	Darker Brighter
Colour	Less — More
Hue	Greenish Reddish
Sharpness	Softer ———— Sharper
RESET	Resets picture to the factory preset levels.
Resolution	Normal high: obtain a high quality picture

SOUND CONTROL	Effect
Graphic Equalizer	(See page 17 for more information)
Surround Mode	Off: Normal → Dolby → Hall
Hall Effect	Choice between different half effects
(only if "Half" is on)	Room → Dome → Arena t
Dual Sound	A: left channel B: right channel Stereo Mono
Headphones:	The selected mode of the A-CD-B indicator on the TV lights up.  Less ———— More
∩ Dual Sound	A: channel 1 → B: channel 2 → PAP (if PAP is switched on you can select the PAP sound for the headphones)
	Stereo → Mono

# **Graphic Equalizer**

Using this function you can individually adjust the sound by cutting and boosting selected frequencies. You can also select between the following modes:

Flat → Pop → Rock → Jazz → Vocal → User

 Select "Sound Control" in the main menu, then select "Graphic Equalizer" using ∆+ or ∇- and press OK.
 The GRAPHIC EQUALIZER menu appears (See Fig. 32).

2 Press OK. The colour of "Mode" changes. Select the desired mode with ∆+ or ∇− and press OK.

3 If you want to modify a mode, select the desired bar of a frequency band using ∆ + or ∇ – and press OK. The selected frequency changes colour. Using ∆ + or ∇ – adjust the level of frequency and press OK. In this way you can adjust all 5 graphic bars.

4 Press MENU to return to the normal TV mode.

# Moder Libert Mo

Jazz

Vocal

Hear

# Using the Sleep Timer

You can select a time period after which the TV automatically switches into standby mode.

Using △+ or ∇- select the symbol ② for "Timer" and press OK.
 The TIMER menu appears (see Fig. 33).

Press OK.
 The time period option changes colour.

3 Select the time period with ∆ + or ∇ −. The time period (in minutes) changes as follows:

 $10 \to 20 \to 30 \to 40 \to 50 \to 60 \to 70 \to 80 \to 90$ 

4 After selecting the time period, press OK. The cursor moves back to the left margin and the timer starts counting.

One minute before the TV switches into standby mode, a message is displayed on the screen.

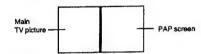


Fib. 33

16

- · RGB input source cannot be displayed in
- · PAP is not available in the Zoom mode. · The sound of the right
- screen is only available via the headphones.
- · The picture quality of the TV screen and PAP may differ.

With this function you can display two screens at the same time. In this way you can watch two TV programmes at the same time. Also you can watch or monitor the video output from any connected equipment (for example from a VCR) while watching TV or vice versa. For information about connection of other equipment, refer to page 23.



Switching PAP on and off Press (1) to display the screens in 8:9 formal.

The PAP screen will be displayed next to the main TV screen.

The PAP screen will come from the source chosen when the TV was last used.

To switch PAP off Press Trepealedly.

Selecting PAP source

Press .

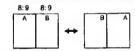
The symbol will be displayed at the bottom, left-hand corner of the screen.

Press PROGR +/-, the number buttons or -2 to select the desired source for the PAP screen.

#### Swapping screens

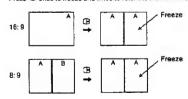
Press Rd.

The main screen will switch the picture with the PAP screen.



#### Freezing the picture

You have the possibility to "freeze" the picture of the PAP screen. Press ® once to freeze and twice to return to the normal screen.



# Operating Screen Mode/PAP using the Menu

Using the Screen Mode manu you have the possibility to change the aspect ratio for the TV display for wide screen effects, operate the PAP Mode or reproduce the main picture image by image (Strobe function).

- Press MENU to display the main menu.
- 2 Select the symbol ☐ for "Screen Mode" with △+ or ∇- and press OK. The SCREEN MODE menu appears (See Fig. 34).

You have the choice among the following modes:

for normal ratio 4:3 (See Fig. 35). Smart: Imitation of wide screen effect (16:9) for 4:3 broadcasts

(See Flg. 36).

imitation of wide screen effect (16:9) for movies broadcast in cinemascopic format (See Fig. 37).

Wide: for 16.9 broadcasts (See Fig. 38).

a) Changing the Screen position (only for Zoom mode) When using the Zoom mode part of the picture at the top and bottom will be cut off. With the help of the function "Screen position" you can move the screen up- or downwards in order to see the cut-off part of the screen (e.g., to read the subtitles).

Using ∆+ or ∇- select "Screen position" and press OK. The selected item changes colour. Using  $\Delta +$  or  $\nabla -$  adjust the screen position and press OK.

Strobe Mode

0000 

6000

• •

When you want to

select the screen

screen mode by

on the Remote

Commander.

You can also select the

pressing the B button

Using ∆+ or ∇- select "Strobe" and press OK. Now the TV picture is displayed image by image, creating a slow motion effect (See Fig. 39). Using  $\Delta + \text{ ar } \nabla - \text{ select the speed of the motion (3)}$ different speeds are available). Press OK to return to the normal

c) Switching PAP on and off Using ∆+ or ∇-select "PAP" and press OK. Using ∆+ or ∇select "1" to display the PAP screen in 8:9 format, "2" for 4:3 format and "OFF" to switch if off and press OK

d) Freezing the PAP screen

Using ∆+ or ∇-select "Clip Board" and press OK, Using ∆+ or ∇-select "On" to freeze the PAP screen and "Off" to restore the normal picture.

#### **Auto Format**

If you preset Auto Format to ON and the 16:9 format signal is being transmitted, the screen mode automatically changes from any mode to the 16:9 mode. When the 16:9 format programme is finished, the screen mode automatically returns to the previous

- 1 Press MENU to display the main menu.
- OK. The SCREEN MODE menu appears.
- 3 Select "Auto Format" with ∆+ or ∇- and press OK.
- 4 Select ON or OFF with △+ or ∇- and press OK.



GB





Fig. 35



Flg. 36



Flg. 37



Flg. 38



Fig. 39

N

With the simple side of the Remote Commender You can switch teletext on and off, operate Fastext, and directly select page numbers.

Fastext operation is only possible, if the TV station broadcasts Fastext signals. TV stations broadcast an information service called Teletext via the TV channels. Teletext service allows you to receive various information pages such as weather reports or news at any time you want. For advanced teletext operation, use the buttons on the Full-Function side of the Remote Commander.

#### **Direct Access Functions**

#### Switching Teletext on and off

- Select the TV channel which carries the teletext broadcast you want to watch.
- 2 Press 
   to switch on teletext.
   A teletext page will be displayed (usually the index page).
   If there is no teletext broadcast, "No text available" is displayed on the information line at the too of the screen.

To #witch teletext off

Press O.

#### Selecting a teletext page

With direct page selection

Use the number buttons to input the three digits of the chosen page number.

If you have made a mistake, type in any three digits. Then re-enter the correct page number.

#### With page-catching

- Select a teletext page with a page overview (e.g. index page).
- 2 Press OK, Using ∆+ or ∇-, select the desired page. "Page Catching" will be displayed on the information line. Press OK. The requested page will appear in a few seconds. Press ⊕ to resume normal teletext reception.

#### Accessing next or preceding page

Press (PAGE+) or (PAGE-).
The next or preceding page appears.

Superimposing the teletext display on the TV programme

- Press @ once in teletext made or twice in TV mode.
- · Press @ again to resume normal teletext reception.

#### Preventing a teletext page from being updated

- Press 
   ⊕ (HOLD). The HOLD symbol "⊕" is displayed on the information line.

#### **Using Fastext**

With Fastext you can access pages with one key stroke. When a Fastext page is broadcast, a colour-coded menu will appear at the bottom of the screen. The colours of this menu correspond to the red, green, yellow and blue buttons on the Remote Commander.

Press the corresponding coloured button on the Remote Commander which corresponds to the colour-coded menu. The page will be displayed after a few seconds.



Note Some of the features may not be available depending on the teletext service.

Press OK to select "OFF" for the TIME PAGE setting to cancel the request.

#### Using the Teletext Menu

This TV is provided with a menu-guided teletext system. When teletext is switched on, you can use the menu buttons to operate the teletext menu. Select the teletext menu functions in the following way:

- Press-MENU. The menu will be superimposed on the teletext display. (See Fig. 40.)
- 2 Using △+ or ∇-, select the teletext function you want and press OK. (See Fig. 41.)

#### USER PAGES/PRESET USER PAGES

See page 22 for information about presetting and operating the user pages.

#### INDEX

The index will give you an overview of the contents of the teletext and the page numbers.

#### TOP/BOTTOM/FULL

For convenient reading of a teletext page, you can enlarge the teletext display with the ability to scroll up and down. After having selected the function, an Information line Top/Bottorn/Full will be displayed. (See Fig. 42.)

Press  $\Delta$ + for "Top" to enlarge the upper half. For "Bottom" keep pressing  $\nabla$ -, to enlarge the lower half. Press OK for "Full" to resume the normal size.

Press to resume normal teletext reception.

#### TEXT CLEAR

After selecting the function, you can watch a TV programme while waiting for a teletext page to be captured. (The symbol changes colour.) (See Fig. 43.)

Press © to resume normal teletext reception.

#### SUBTITLES

Your teletext service will inform you if a TV programme is subtitled. After having selected the function the subtitles will be displayed.

#### REVEAL

Sometimes pages contain concealed information, such as answers to a quiz. The reveal option lets you disclose the information. After having selected the function, an information line "REVEAL ON/OFF" will be displayed. (See Fig. 44.) Using  $\Delta + or \nabla -$ , select ON to reveal the information or OFF to conceal it again.

Press to resume normal teletext reception.

#### TIME PAGE

Your teletext service will inform you, if a time coded page is available. You may have a page (e.g., an alarm page) displayed at a certain time.

- 1 An information window will be displayed at the bottom of the page. Using A+ or V- select "ON" and press OK.
- To select the desired page, enter three digits for the page number (e.g., 452) using the number buttons.
- 3 To select the desired time, enter four digits for the desired time (e.g., 1800) using the number buttons. Press MENU. The selected time is displayed at the top in the left-hand corner. At the requested time, the page will be displayed. Press © to resume normal teletext mode.



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Flg. 40



Fig. 41



Fig. 42



Flg. 43



Fig. 44

# **Connecting and Operating Optional** Equipment

To cancal the request Select Subpage and oress OK

If two broadcasting stations use the same Teletext You can preset one bank to 2 different programme positions.

#### SUBPAGE

You may want to select a particular teletext page from several subpages which are rotated automatically. After having selected the function, an information line will be displayed.

To select the desired subpage, enter four digits using PROGR+/or the number buttons (e.g., enter 0002 for the second page of a

#### **User Page Bank System**

You can store up to 30 pages in the "Teletext page band system". In this way you have quick access to the pages you watch frequently.

#### Storing pages

There are 5 "banks" (A to E) for 5 teletext stations. In each bank you can store 6 preferred pages (P1 to P6).

- Press @ (if Teletext is not on already) and MENU to show the TELETEXT MENU display.
- 2 Select PRESET USER PAGES with ∆+ or V- and press OK.
- Select the desired bank with ∆+ or ∇- and press OK. The cursor will go to the first position (P1) of the preferred pages.
- Input the three digits of your first preferred page with the number buttons and press OK.
  - The cursor will go to the second position.
- 5 Repeat step 4 for the other 5 page numbers you want to preset. If you do not want to preset all 6 page numbers available, press OK without inserting any number. After having finished the presetting press OK repeatedly until the cursor appears besides the next bank at the left margin.
- 6 Select Allocate Bank with Δ+ or ∇- and press OK.
- Select the programme position for which you have preset pages with ∆+ or ∇- and press OK. (See Fig. 45.)
- 8 Select the desired bank with Δ+ or ∇- (Banks A to E are available) and press OK.
- 9 Repeat steps 3 to 8 for the other 4 banks available.

#### Displaying User Pages

- 1 Select MENU.
- 2 Select User Pages with Δ+ or ∇- and press OK. A lable of the stored preferred pages will be displayed. (See Fig.
- 3 Select the desired page with  $\Delta$ + or  $\nabla$  and press OK. The page will be displayed after some seconds.

You can use the coloured buttons on the Remote Commander to have quick access to the first four User pages. Page 1 corresponds to the red button, P2 to the green one, P3 to the yellow one and P4 to the blue button.

To select the desired page press the respective coloured button while you are in TV mode. Now the Page number of this teletext page will appear in white at the top in the left-handed comer of the TV screen. When the page number changes colour, the page is available. Press the coloured button again to display the page.



Fig. 45



Flg. 46

# **Connecting Optional Equipment**

You can connect optional audio-video equipment to this TV such as a

VCR, video disc player, and stereo system.

To connect a VCR using the T terminal Connect the aerial output of the VCR to the aerial terminal 'I' of the TV. We recommend that you tune in the video signal to programme number 10.1 For details see "Preset channels manually on If the picture or the Move the VCR away from

S/video Input (Y/C input) Video signals may be separated into Y (luminance or brightness) and C (chrominance) signals. Separating the Y and C signals prevents them from interfering with one another, and therefore improves picture quality (especially luminance). This TV is equipped with 3 S Video input jacks through which these separated signals can be input directly.

page 9.

the TV.

sound is distorted

When connecting a monaural VCR Connect only the white - jack to both the TV

÷ . 

Acceptable input signal		Available output signal	
1	Normal audio/video and RGB signal	Video/audio from TV tuner	
2	Normal audio/video and S video signal	Video/audio from selected source	
3	Normal audio/video and S video signal	No outputs	
4	Normal audio/video and S video signal	Video/audio displayed on TV screen (monitor out)	
5	No inputs	S/video/audio signal displayed on TV screen (monitor out)	
6	No inputs	Audio signal (variable)	

13

GE

# You can preset video input sources to the programme positions so that you can select them with PROGR 4- or number buttons. For details, see "Preset channels manually" on page 9.

Selecting input with

buttons

PROGR +/- or number



### Selecting Input and Output

This section explains how to view the video input picture (of the video source connected to your TV), and how to select the output signal using direct access buttons or the menu system.

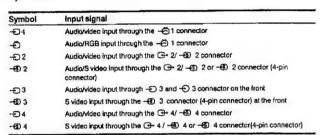
#### Selecting input

Press - repeatedly to select the input source.

The symbol of the selected input source will appear.

To go back to the normal TV picture Press Q.

#### Input modes



1 🕞

**-**€

You can also select the input mode using the - button on the TV.

#### Selecting the output

The -2/-8 2 connector outputs the source input from the other connectors.

Press - repeatedly to select the output.

The symbol of the selected output source appears.

#### Output modes

Symbol	⊕ 2/ –  § 2 connector outputs
10+	Audio/video signal from the 👝 1 connector
2 🕒	Audio/video signal from the 3-2/-3 connector
2 🖫	Audio/S video signal from the →2/→3 2 or →3 2 connector (4 pin)
3 G+	Audio/video signa! from the - 3, - 3 connectors
3 (3)→	Audio/S video signal from the 3 3, - ○ 3 connectors
4 G+	Audio/video signal from the → 4/ → 4 4 connector
4 ③→	Audio/S video signal from the → 4/ → 4 or → 4 connector (4 pin)
τνΦ·	Audio/video signal from the Tr aerial terminal

# **Using AV Preset**

Using this function you can preset the desired input source (e.g. — 1, RGB signal) to the respective AV input (AV 1 — ). In this way a connected VTR will automatically switch to the RGB signal.

- 1 Select the symbol for "Preset" with Δ+ or ∇- and press OK.
- 2 Select first "Installation", then "AV Preset" with ∆+ or ∇- and press OK.

The AV PRESET menu appears (See Fig. 47).

- 3 Select the desired AV input with ∆+ or ∇- and press OK.
- 4 Select the desired source with Δ+ or ∇- and press OK. For the respective AV inputs you have the following possibilities:

AV1 RGB or AV

AV3 YC3 or AV AV4 YC4 or AV

5 If you want to name the AV input select "Label" using △+ or ∇- and press OK. Select a letter or a number with △+ or ∇- and press OK. The next element will be highlighted. Select other characters in the same way. If you want to leave an element blank, select - and press OK. After having selected all the characters, press OK repeatedly until

the cursor appears by the next AV input at the left margin.

6 Repeat steps 3 to 6 for the other AV inputs.

# Checking and selecting the input and output sources using the menu

You can display the menu to see which input sources are selected for the TV screen and PAP screen, and which output source is selected. You can also select them on the menu display.

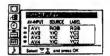
 Select the symbol r
 • fell for "Video Connection" with △ + or ∇ ~ and press OK. The VIDEO CONNECTION menu appears. (See Fig. 48)

You can see which source is selected for the TV and PAP input, and for the output. It you want to select the input and output on this menu, go on to the next step.

- 2 Select TV Screen (input source for the TV screen), PAP (input source for the PAP screen), or output (output source) with Δ+ or ∇− and press OK. One of the source items changes colour.
- 3 Select the desired source with ∆+ or ∇−.
  For details about each source, see the table on page 24.
- 4 Press OK.

The selected source is confirmed, and the cursor appears.

5 Repeat steps 2 to 4 to select the source for other inputs or outputs.

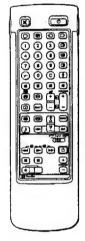


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Flg.47



in. 48



When recording when you use the • (record) button, make sure to press this button and the one to the right of it simultaneously.

# Remote Control of Other Sony Equipment

You can use the TV Remote Commander to control most of Sony remote-controlled video equipment such as: beta, 8 mm and VHS VCRs and video disc players.

Tuning the Remote Commander to the equipment

Sel the VTR 1/2/3 MDP selector according to the equipment you

Sel the VTR 1/2/3 MDP selector according to the equiwant to control:

VTR1; Beta VCR VTR2; 8 mm VCR VTR3; VHS VCR MDP: Video disc player

2 Use the buttons indicated in the illustration to operate the additional equipment.

If your video equipment is furnished with a COMMAND MODE selector, set this selector to the same position as the VTR 1/2/3 MDP selector on the TV Remote Commander.

If the equipment does not have a certain function, the corresponding button on the Remote Commander will not operate.

# Cleaning of the Air Filter

Periodic cleaning of the air filter is necessary. Clean the air filter once a month. When the filter becomes old and dust remains on the filter even after cleaning, replace it with a new one.

If you do not take the following precautions, you may get hurt or household belongings may be damaged.

- Clean the air fitter periodically. If you don't clean, it may cause internal heat build-up.
- Never use an air filter which is torn or has holes. Attach the filter firmty with six tabs. If dust enters the TV, the picture may become dark or it may cause fire.
- Turn off the power and disconnect the power cord.
- 2 Remove the front panel.



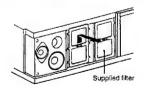
Remove the front panel without moving the TV.



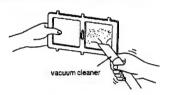


Grasping the side of the front panel with your fingers, pull it forward. Be careful not to catch your fingernails.

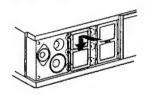
3 Pull the filter upward and remove it.



4 Clean the dust with a vacuum cleaner.



5 Attach the filter.
Attach the six labs securely.



6 Attach the front panel.

Be careful not to damage the speaker.

#### Notes

- Attach the filter firmly. If it is not firmly attached, the power will not turn on.
- · Remove the supplied filter in the same way as the attached lifter.
- · Consult your nearest Sony service center to obtain a new fifter.

#### Replacing the Lamp

The lamp life is about 6000 hours. When the lamp become dark or the picture colour is not normal, replace with a new lamp (supplied).

If you do not take the following precautions, you may get hurt or household belongings may be damaged.

- · Use the supplied new lamp (XL-100) for replacement. If you use another lamo, it may cause damage to the TV.
- · Do not remove the lamp except when replacing it. This may cause heat damage or fire.
- · Before replacing the lamp, turn off the power and disconnect the power cord.
- · Replace the lamp after it becomes cool. The front glass of the lamp remains 100 °C (212 °F) and more even 30 minutes after the power is turned off.
- Do not place the removed lamp in proximity to children or flammable material.
- · Do not get the removed lamp wet, or insert objects inside the lamp. It may cause the lamp to explode.
- · Do not place near metal or easily flammable objects, as this may cause fire. Also, do not put your hand inside the lamp compartment, as you may be burned.
- · Attach the new lamp firmly. If it is not firmly attached, the picture may become dark or fire may result,
- 1 Turn off the power and disconnect the power cord.

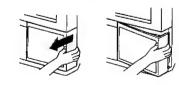
Replace the lamp 30 minutes or more after the power is turned off.

Prepare the new lamp.

2 Remove the front panel.



Remove the front panel without moving the TV.

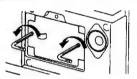


Grasping the side of the front panel with your fingers, pull it forward. Be careful not to catch your fingernails.

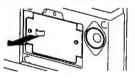
3 Loosen the screw with the object such as a coin and remove the lamp cover.



4 Loosen two screws and pull out the lamp. The lamp is still too hot just after the power is turned off. Be careful that you don't louch the front glass or surrounding area of the lamp or the glass of the lamp compartment.



Loosen two screws with the supplied wrench.



Pull out the tamp by the handle.

- 5 Attach the new lamp. Fasten two screws tightly.
- 6 Attach the lamp cover. Fasten the screws lightly.
- 7 Attach the front panel. Be careful not to damage the speaker.

- . Do not touch or stain the front glass of the new lamp or the glass of the lamp compartment. If the glass become dirty, the picture quality may deteriorate or the lamp life may shorten.
- Attach the lamp cover firmly. If it is not firmly attached, the power will
- · When the lamp burns out, a noise is audible. This does not represent a damage.
- · Consult your nearest Sony service center to obtain a new lamp (XL-100).

#### Troubleshooting

Here are some simple solutions to some problems which may affect the picture and sound.

Problem	Solution
, , , , , , , , , , , , , , , , , , , ,	<ul> <li>Plug in the TV in.</li> <li>Press on the TV (it of indicator is on, press on a programme number on the Remote Commander).</li> <li>Check the aerial connection.</li> <li>Check til the selected video source is on.</li> </ul>
Poor or no picture (screen is dark), but sound is OK	<ul> <li>Press • to enter the PICTURE CONTROL menu and adjust the brightness, contrast and colour.</li> </ul>
Poor picture quality when watching an RGB video source	Press - repeatedly to select
Poor picture quality of PAP screen	· Press 🔁 .
	Press   +. Check loudspeakers connection.  II   II   II   II   II   II   II   I
No colour for colour programmes	<ul> <li>Press to enter the PICTURE CONTROL menu, select RESET, then press OK.</li> </ul>
Remote Commander does not function	The batteries are weak.

If you continue to have problems, have your TV serviced by qualified personnel. Never open the casing yourself.

#### **Specifications**

This product complies with the EU Directive 89/336/EEC.

signals

- inputs for S video

- inputs for S video

(selectable)

(monitor out)

-4 pin DIN

jacks

3 21-pin Euro connector - inputs for audio and video signals

- outputs for audio and video signals

⊕ 4/ - 4 421-pin Euro connector - inputs for audid and video signals

- outputs for audio and video signals

- Audio inputs (L, R) - phono jacks S video output 4-pin DIN

Audio outputs - phono jacks

3 video input - phono jack

 Audio inputs - phono lacks -(5) 3 S video Input - 4-pin DIN

∩ Headphone jack: stereo minijack

- Audio outputs (variable)-phono

-3 2, -® 4 S video inputs

Television system	B/G/H, D/K, I, L	Sound output	2×5 W (music power)
Colour system	PALISECAM		Centre 1 × 20 W
	NTSC 3.58/4.43 (VIDEO IN)	Power consumption	170 W
Channel coverage	See "Receivable channels and	Dimensions (W x H x D)	920 × 825 × 390 mm
	channel displays" at the bottom.		(KL-37W1)
Projected picture size	37 inches (KL-37W1)		1,230 × 1,055 × 550 mm
	Approx. 94 cm diagonally		(KL-50W1)
	50 inches (KL-50W1)	Mass	29 kg (KL-37W1)
	Approx. 127 cm diagonally		43 kg (KL-50W1)
	.,	Supplied accessories	See page 6.
Terminals		Other features	Digital comb filter (High resolution)
Rear	- ₱ 1 21-pin Euro connector		PAP (Picture-and-picture)
( POCI)	(CENELEC standard) inputs for audio		FASTEXT
	and video signals		100 Hz Digital Plus
	- inputs for RGB		Graphic Equaliger
	- outputs of TV video and audio		
	- DUIDUIS DI I V VIGEO AND AUDIO		

Design and specifications are subject to change without notice.

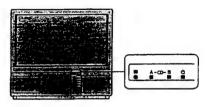
#### Receivable Channels and Channel Displays

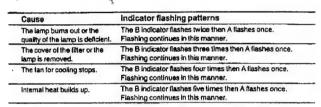
	Receivable channels	indication on the screen
B/G/H	E212 2169	C02 C03 C04C12 C21C69
CABLE TV (1)	S141	S01 S02S41
CABLE TV (2)	S01S05 M1M10	\$42\$46 \$01\$10
	U1U10	S11S20
ITALIA	ABCDEFGHH1 H22169	C11C69
D/K	R01R12 R21R69	C02C12 C21C69
CABLE TV (1)		S01 S02,,S41
CABLE TV (2)		S42 S43S46
CABLE TV	BQ, S2141	S02, S03S17,
		S21S41
L	F2F10 F21F69	C01C12 C21C69
1	B21B68	C21C6B

# Warning Indicators

When a problem occurs, the indicator flashes as follows.

Attempt the solution recommended for the given problem.



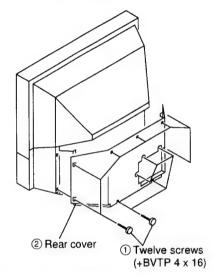


If the lamp flashes in a way not described above, consult your nearest Sony service center.

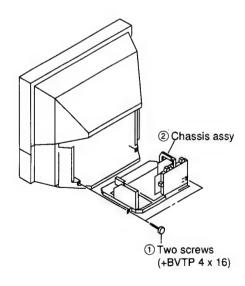
G

# SECTION 2 DISASSEMBLY

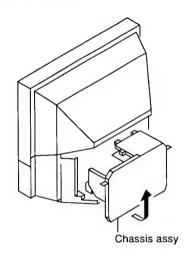
# 2-1. REAR COVER REMOVAL



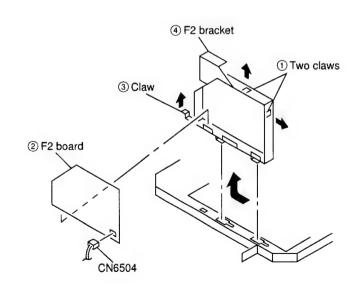
# 2-2. CHASSIS ASSY REMOVAL



# 2-3. SERVICE POSITION



# 2-4. F2 BOARD AND F2 BRACKET REMOVAL



® RF booster

1 Two claws

11 Terminal board

(+BVTP 4 x 16)

⑦ Screw (+B M3 x 8)

2 Holder

3 J board

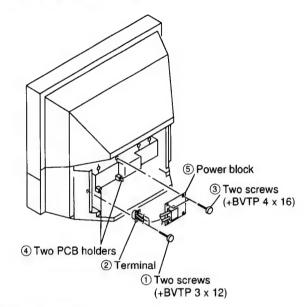
4 BB board 6 B1 board

3 Claw-

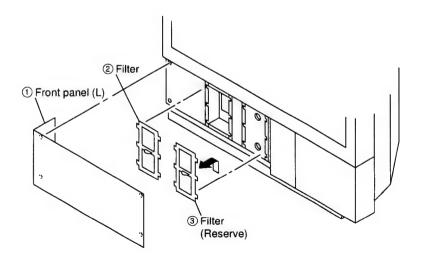
Extension board 1-589-554-11 Common use (BB, B1 and

J Boards)

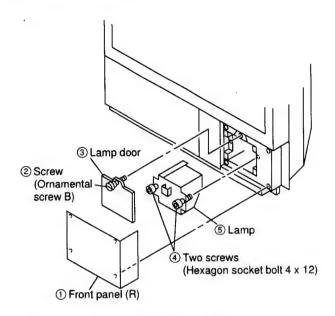
⑤ Claw



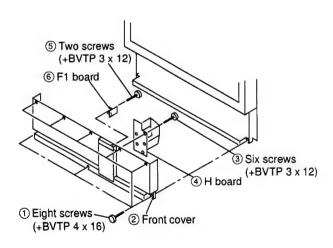
# 2-7. FILTER REMOVAL



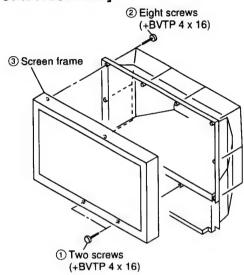
# 2-8. LAMP REMOVAL



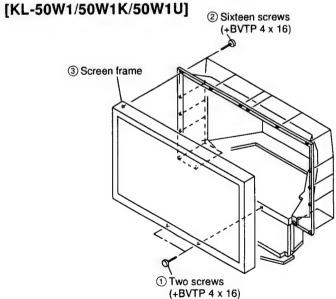
# 2-9. H AND F1 BOARDS REMOVAL

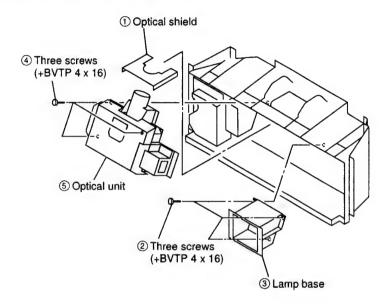


# 2-10-1. SCREEN FRAME REMOVAL [KL-37W1/37W1K/37W1U]



# 2-10-2. SCREEN FRAME REMOVAL





# SECTION 3 CIRCUIT ADJUSTMENTS

# 3-1. ELECTRICAL ADJUSTMENTS

Service adjustment to this model can be performed with the supplied remote commander, RM-838.

#### **HOT TO ENTER INTO SERVICE MODE**

1. Turn on the main power switch of the set while pressing the + (plus) and – (minus) buttons on the customer front panel.

Flg. 4-1

2. "TT" will appear on the upper right comer of the screen.

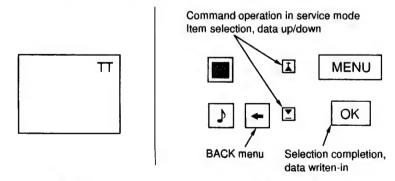


Fig. 4-2

Flg. 4-3

3. Press 01 on the commander to get the menu on screen.

Venus	V2.07	AE-3	12/03/96
O Init			
O Video Contr		CXA1839	
O Scan Con. O Video Proc M		CXD2428	
		CXD2030	
O Timing Gen.		CXD2412	
O RGB Interface		CXA2011	
OPAP		CXD2031	
o SRC		CXD2032	
O TDA6812		TDA6812	
O PALE	PLUS		

- 4. Press the <u>\( \) and \( \) buttons on the remote commander to select the adjustment item.</u>
- 5. Press the OK button to proceed to the next menu.
- 6. If the adjustment item is Video cont press the <u>▼</u> button to move to Video cont then press OK button.
- 7. The Menu as indicated in Fig will appear on the screen.

#### Video Cont. CXA1839

Item No.	Adjustment item	Data Amount
1	Sub BRT	[6]
2	Sub COL1	[15]
3	Sub CON1	[15]
4	PIC	[53]
5	HUE	[31]
6	COL	[31]
7	BRT	[31]
8	SHP	[31]
9	Sub HUE	[6]
10	D COL	[off]

KL-50W1/50W1K/50W1	KL-37W1/37W1K/37W1
1U RM-83	1U RM-83
200	23

11	SHP Lim	[off]
12	Age WHT	[off]
13	R-Y R	[8]
14	R-Y B	[13]
15	G-Y R	[11]

- 8. Press the ▼ button to move > to the adjustment item and press the OK button.
  9. Press the ★ and ▼ buttons to change the data in order to comply with each standard.
  10. Press the OK button to write data into memory.

- 11. Turn off the power to quit the service mode when adjustments have been completed.

# Scan Converter CXD2428

Item No.	Adjustment Item	Data Amount
1	H-shift	[126]
2	V-shift	[14]
3	H-phase	[58]
4	V-phase	[31]
5	H-SZ-RD (40h)	[140]
6	H-SZ-RD (50h)	[3]
7	H-SZ-WR (41h)	[140]
8	H-SZ-WR (51h)	[3]
9	LN-DAT0	[0]
10	MD-DAT0	[3]
11	LN-DAT1	[0]
12	MD-DAT1	[0]
13	LN-DAT2	[0]
14	MD-DAT2	[0]
15	LN-DAT3	[0]

# Video Proc M CXD2030

Item No.	Adjustment Item	Data Amount
1	DNR	[on]
2	DNR value	[5]
3	TA Sync C1p pls width	[16]
4	TB BGP position	[50]
5	TD CLP position	[25]
6	Foto CD SW	[off]
7	BLK porch pos	[16]
8	NTSC TD BGP pos	[25]
9	PAL TD BGP pos	[25]
10	Not Secam TB BGP pos	[50]
11	Secam TB BGP pos	[50]
12	358 NR Level	[3]
13	443 NR Level	[5]
14	Color detect Mode	[0]
15	Extern Y/C	[off]

#### **RGB Interface CXA2011Q**

Item No.	Adjustment Item	Data Amount
1	Drive Level	[48]
2	Sig Sel	[0]
3	Sub Bright	[23]
4	Sync Sel	[0]
5	Sync SW	[3]
6	ABL SW	[off]
7	AKB-T	[off]
8	HD Sync	[on]
9	R Drive	[31]
10	G Drive	[31]
11	B Drive	[31]

# **TIMING GENERATOR CXD2412QA**

Item No.	Adjustment item	Data Amount
1	SLSH1	[on]
2	SLSH2	[off]
3	SLSH3	[on]
4	BH Bias	[252]
5	RH Bias	[252]
6	BL Bias	[112]
7	RL Bias	[122]

# PAP CXD2031

Item No.	Adjustment Item	<b>Data Amount</b>	
1	Main phase WR start	[52]	
2	Sub phase WR start	[20]	
3	Main RD start	[43]	
4	Brightness sub	[8]	
5	Twin pic	[on]	
6	WR inhibit1	[off]	
7	WR inhibit0	[off]	
8	RD inhibit0	[off]	

# SRC CXD2032

Item No.	Adjustment Item	Data Amount
1	YCD	[0]
2	YDF	[0]
3	COF	[0]
4	Reference clamp	[0]
5	Offset	[off]
6	IIR latch	[off]
7	BGP Sync SW	[0]
8	Clamp	[off]
9	50/60	[off]
10	Reference clamp	[32]
11	Offset Level	[0]
12	System Delay	[9]
13	Offset Level	[0]
14	FVSW	[on]
15	Mask SW	[on]

# **TDA 6812**

Item No.	Adjustment Item	Data Amount
1	Stereo-sep	[15]
2	Pre-Volume	[2]
3	Treble-offset L/R	[0]
4	Bass-offset L/R	[0]
5	Treble-offset C/S	[255]
6	Bass-offset C/S	

# KL-37W1/37W1K/37W1U RM-8 KL-50W1/50W1K/50W1U RM-8

# 3-2. TEST MODE

Is available by pressing the Test button twice, OSD "TT" appears. The functions described below are available by pressing the two numbers. To release Test Mode 2, press 0, 10, 20...twice or switch the TV into Standby Mode. Pressing the two Local Control buttons (+ and –) during Power ON will also switch into "TT" mode.

In TT mode, it is possible to remove the Menu from the screen by pressing the Speaker Off button once. Pressing the Speaker OFF button a second time will cause the menu to reappear. The Function is kept even when the menu is not displayed!!

00	Switch back to normal mode - TT mode off
01	Switch service menu on
02	no function
03	Set Volume to 30%
04	Service Menu in "Service Mode"
05	Service Menu in "Production Mode"
06	Set Volume to 80%
07	Aging mode
08	Shipping condition (Production request) To ensure that all TV sets leave the Production with the same pressettings. Programme 1 is selected, AV IN is set to AV1, AV Out is set to TV Out, Volume and HP Volume is set to 35%, Resolution is set to high, Format is set to 4:3, Pip is set to Top Left position, Pip is switched off, TT mode is switched off, all analogue values are set to the reset setting, space Sound - Equalizer - Loudness = off, DNR off, Dig. Mode = 1, Wide Zoom Mode for W28 models, Menu Language Reset, Prog. Pointer table reset Non Interlace is allowed in Text mode.
09	Language reset. With this function the Menu Language is set to "unselected" (NVM Bank OAAH Adress ODCH). The value for the Language Group is not overwritten (Selection West/East/Common). The Language Menu appears now automatically when the TV set is switched ON as long as no new language is selected.
10	The TT number will be deleted. All numbers with 0 (10, 20 30, 40, 50, 60, 70, 80, 90) will reset the TT number. A new number can be selected. TT display is kept

11	Direct access to Balance. With Cursor Up/Down the Balance can be controlled (w/o OSD, Menu display)	
12	Direct access to Hue. With Cursor Up/Down the Hue can be controlled (w/o OSD, Menu display)	_
13	Display of Software Version and TV set configuration	
14	Production Info Display	
15	Read factory setting from ROM (Program code) and store this data at Last Power Memory data location (The previous last power memory data is overwritten) AE3 has 3 packages of Analogue data:  1. Last Power memory data. This data is sent continiously to the corresponding IC's (TDA1839, SC, TDA6812) with this data the TV picture/sound appears.  2. Reset data. By pressing "Reset" in the menu this data is transfered from Reset Data location to the Last Power data location in the NVM.  That means the previous Last Power Memory Data is overwritten by the Reset data last Power memory and Reset data are now the same.  3. Factory fixed data. In the ROM code of the micro processor are also analogue datas which are fixed (ROM can't be changed)	
16	Save actual Last Power Memory data at Reset Data location (The previous Reset data is overwritten)	
15/16	With these two functions, it is possible to preset user defined Reset values (just TT16) or to preset factory defined Reset values (first TT15 then TT16)	

17	This functions presets the Labels for the AV sources: The Labels are AV1, RGB, AV2, YC2, AV3, YC3, AV4, YC4.
18	Text possible On/Off selection of Text (toggle function)
19	Direct access to Stereo Separation With cursor Up/Down the Stereo separation can be adjusted (w/o OSD, Menu display)
20	see TT10
21	no function
22	Operating Timer and Error Monitor display
23	Direct access to Sub Brightness Adjustment With cursor Up/Down the Sub BRT can be adjusted (w/o OSD, Menu display)
24	Direct access to Sub Color. With Cursor Up/ Down the Sub Color can be adjusted.
25	Status menu display (SubController, CXA1840 Status, Main Controller.)
26	Text Character set selection (Char set 06 -> West Europe)
27	Text Character set selection (Char set 38 -> East Europe)
28	Text Character set selection (Char set 40 -> West Europe) US English
29	Text Character set selection (Char set 55 -> West Europe) Turkish
30	see TT10
31	Increase V-Aperture
32	Decrease V-Aperture
33	no function
34	no function

35	no function
36	Mtx Register 112 = intern display clock
37	Mtx Register 112 = extern display clock
38	Automatic selection of Screen Modes: 4:3 -> Zoom -> Zoom up -> Zoom down -> smart -> wide.
39	Reset Programme Table (NVM Bank 0ACH) The sorting of programmes in "Programme Sorting Menu" is reset.
40	see TT10
41	Picture min
42	no function
43	no function
44	no function
45	Set NVM to Protect mode (Bank 0AEH Adr. 0FFH write with 0)
46	IR Channel Pressetting Mode. The channel pressetting can be done by a Special IR transmitter (Deatiled INFO about IR transmitter from SEC) Sequence:TT46 ->PR Number select display appears Select Prog. No from where the channel shall be stored> Now TV is waiting for IR sequence <> If no IR transmission starts TT46 is released after 20 secs < !Note: When TT46 is active, any transmission will be interpreted as PROG data!
47	Direct access to Headphone Source Selection with Cursor Up/Down the Source of Headphone can be selected (w/o OSD, Menu display)
48	no function
49	The EEPROM Testbyte is erased. After Power OFF -> ON the complete EEPROM data (exept channel tables) are overwritten. EEPROM Protection byte is set to 0 protection mode
50	see TT10
51	Strobo mode is activated.

52	no function
53	no function
54	no function
55	MTX Slicer Control "Low Pass" (only Sys L))
56	MTX Slicer Control "No Compensation"
57	Megatext Service Menu ON
58	MTX Small Framing Code Window
59	MTX Wide Framing Code Window
60	see TT10
61	no function
62	ACI disable.
63	ACI enable.
64	Reset all IIC Slave commands
65	Reset stored error codes in NVM.
66	Reset for Sub Controller.
67	Direct access to Headphone Volume. With cursor Up/Down the Headphone volume can be controlled (w/o OSD, menu display)
68	ignore errors.
69	reset ignore errors (show errors)
70	see TT10
71	Picture Rotation Function On/Off toggle.
72	no function
73	Megatext RGB textlevel one step decreased
74	Megatext RGB textlevel one step decreased
75	reserved for TT command Network ID, not inplemented yet
76	CXD2030 Default data setting.
77	CXD 2031 Default data setting.
78	CXD 2032 Default data setting.
79	CXD 2428 Default data setting.
80	see TT10
81	Default data setting CXA2011

82	no function
83	no function
84	CXA 1839 Default data setting
85	Default data setting CXD 2412
86	no function
87	Default data setting CXD 2030
88	Text character set Russian/East
89	Text character set Russian/West
90	see TT10

# KL-37W1/37W1K/37W KL-50W1/50W1K/50W

# 3-3. ERROR MONITOR AND DETECTION

In the menu 'Error Monitor', information about the error status of the set is displayed.

- Actual operating time
- Last five errors which are stored in the NVM
- Actual error

# Operating Time 000355 h 35min

#### **Saved Errors**

- 1. 40h=D1 Board
- 2. 60h=Q Board
- 3. 70h=T Board
- 4. 00h=no error occured
- 5. 00h=no error occured

#### **Actual Error**

-> 00h=no error occured

to reset the NVM press 'TT' 65

Additionally the Error Reader can be connected to the service connector to read out the actual errors.

The device check itself is active while the TV set is running out of stand-by mode. The devices are checked by sending an I<sup>2</sup>C start sequence and if there is no acknowledgement back from the devices it is regarded as an error. Each device is checked three times and if at every attempt there is no reply from the relevant device an error is given. To read the error codes press 'TT' followed by 22 on the commander to view the Error Monitor menu.

To reset the error codes in the NVM press 'TT' followed by 65 on the remote commander.

#### TABLE OF ERROR CODES

Error Code	Device	Description	Board
000h	no device	no error has occured	_
001h	IIC 1 and IIC 2	IIC 1 and IIC 2 blockaded	_
002h	IIC 1	IIC1 is blockaded	_
003h	IIC 2	IIC2 is blockaded	_
010h	A Board	A Board is defective	_
020h	A1 Board	A1 Board is defective	-
030h	BX-Board (B, B1, B2)	B, B1, or B2 Board is defective	_
040h	D1 Board	D1 Board defect	_
050h	J Board	J Board defect	_
060h	Q Board	Q Board defect	-
070h	T Board	T Board defect	-
011h	CXP85332	No response from the Subcontroller	Α
012h	ST24C16	No response from the NVM	Α
013h	SDA5273	No response from the Megatext IC	Α
014h	TDA6812	No response from the Sound Processor	Α
015h	SAA7283	No response from the Nicam Decoder	Α
016h	UV916H	No response from the Main Tuner	Α
017h	CXA1839Q	No response from the Video Controller	Α
018h	CXA1840	No response from the CRT Driver	Α
019h	RGB8443	No response from RGB/YUV	Α
021h	TDA6622	Audio processor of the Center and Surround channel in the case of Dolby Prologic does not respond.	A1
022h	TDA7317	No reponse from the Equalizer.	A1
031h	CXD2030R	No response from the Digital Video Processor.	B/B1
032h	CXD2031R	No response from the Twin Picture IC.	B1
033h	CXD2032R	No response from the Digital Sampling Rate Converter.	B/B1
034h	CXD2033R	No response from the Picture in Picture IC.	В
035h	CXD2035R	No response from the Aspect Converter.	B/B1

Error Code	Device	Description	Board
036h	TDA9160	No response from the Chroma Decoder.	B/B1
037h	TDA9145	No response from the Chroma Decoder (on French models only.)	B2
041h	CXA1526	No response from the Convergence IC.	D1
051h	CXA1855	No response from the AV-Switch	J
061h	83C65202	No response from the Local Controller.	Q
071h	UV1316/TSA5526	No response from the Subtuner.	Т
072h	CXA1875	No response from the Port Expander.	T

# **LENS FOCUS ADJUSTMENT**

- 1. Loose screw of LENS focus.
- 2. Adjust LENZ focus so that best focus.

# 3-4. REGISTRATION ADJUSTMENT

#### Preparation

- · Image quality adjusting menu ....... Standard

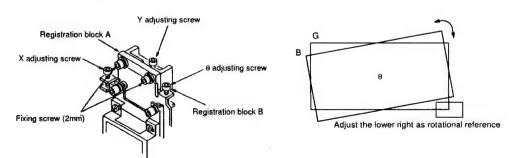
Note: In adjusting the registration, the registration fixing block is secured with an adhesive, and therefore the PANEL BLOCK ASSY is required.

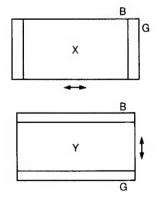
Tools and Kit

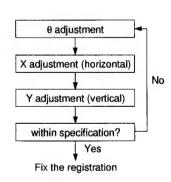
Hex. wrench keys (2mm, 1.5mm)

PANEL BLOCK ASSY (Refer to SECTION 5. EXPLODED VIEWS)

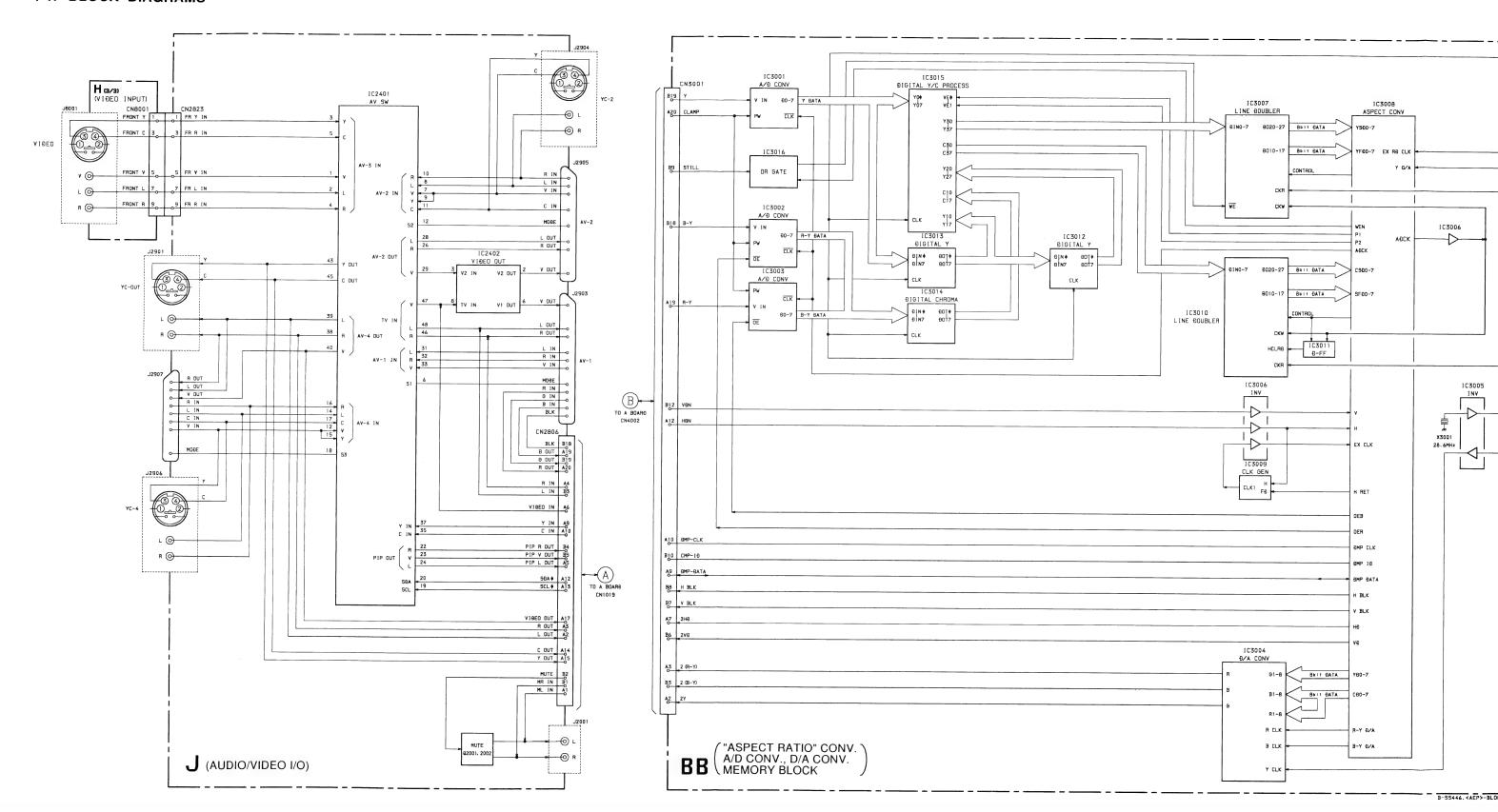
- 1. Entering G monochrome crosshatch signal or B monochrome crosshatch signal, adjust the registration between B and G. Overlay B image on the G image as shown, while turning the registration adjusting screws in the order of  $\theta \to X \to Y$ .
- 2. Enter full black signal to the B panel, then the R monochrome crosshatch signal to adjust the registration of R and G.
- 3. Tighten tentatively the registration fixing screws on the R and B panels, and secure the registration blocks A and B with an adhesive.
- 4. Tighten the registration fixing screws.

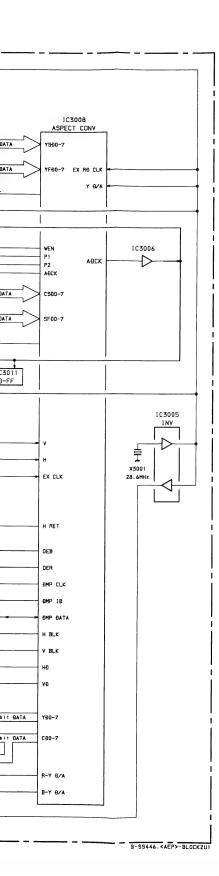


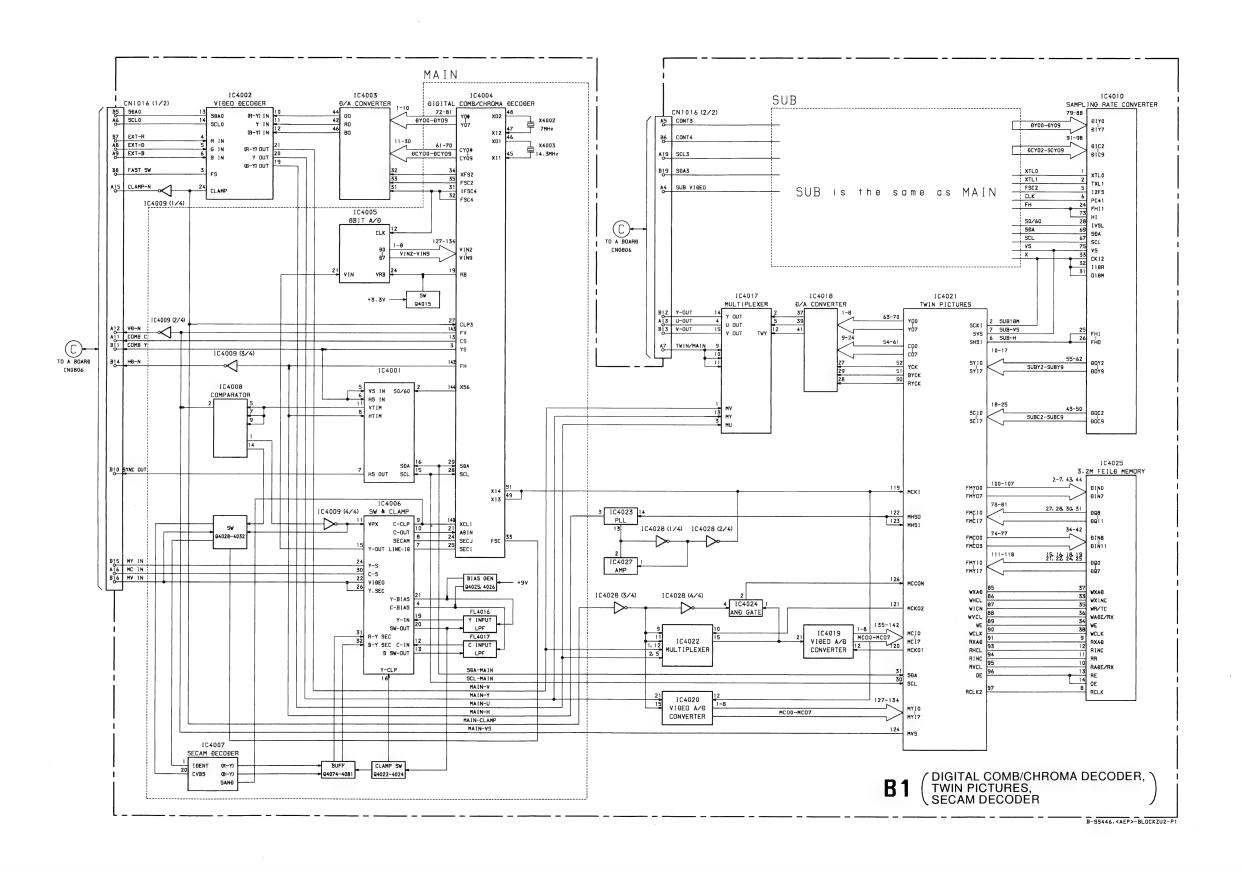


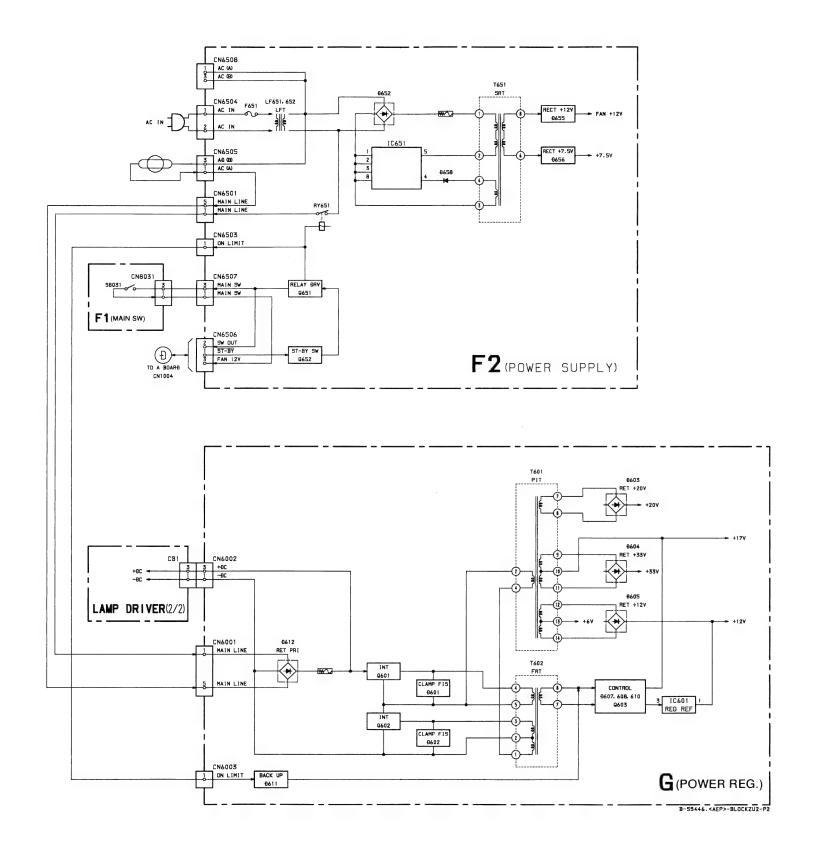


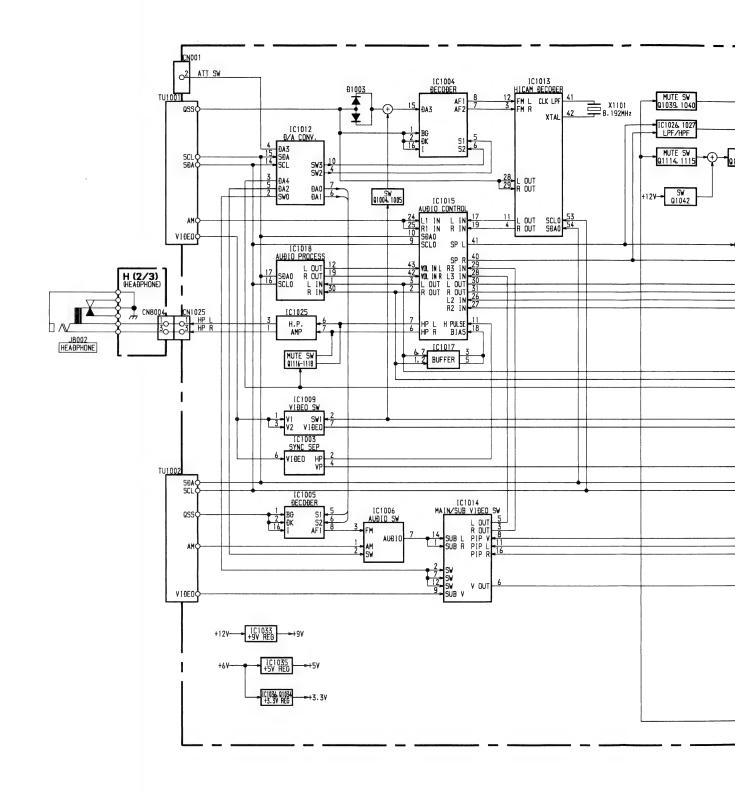
# 4-1. BLOCK DIAGRAMS

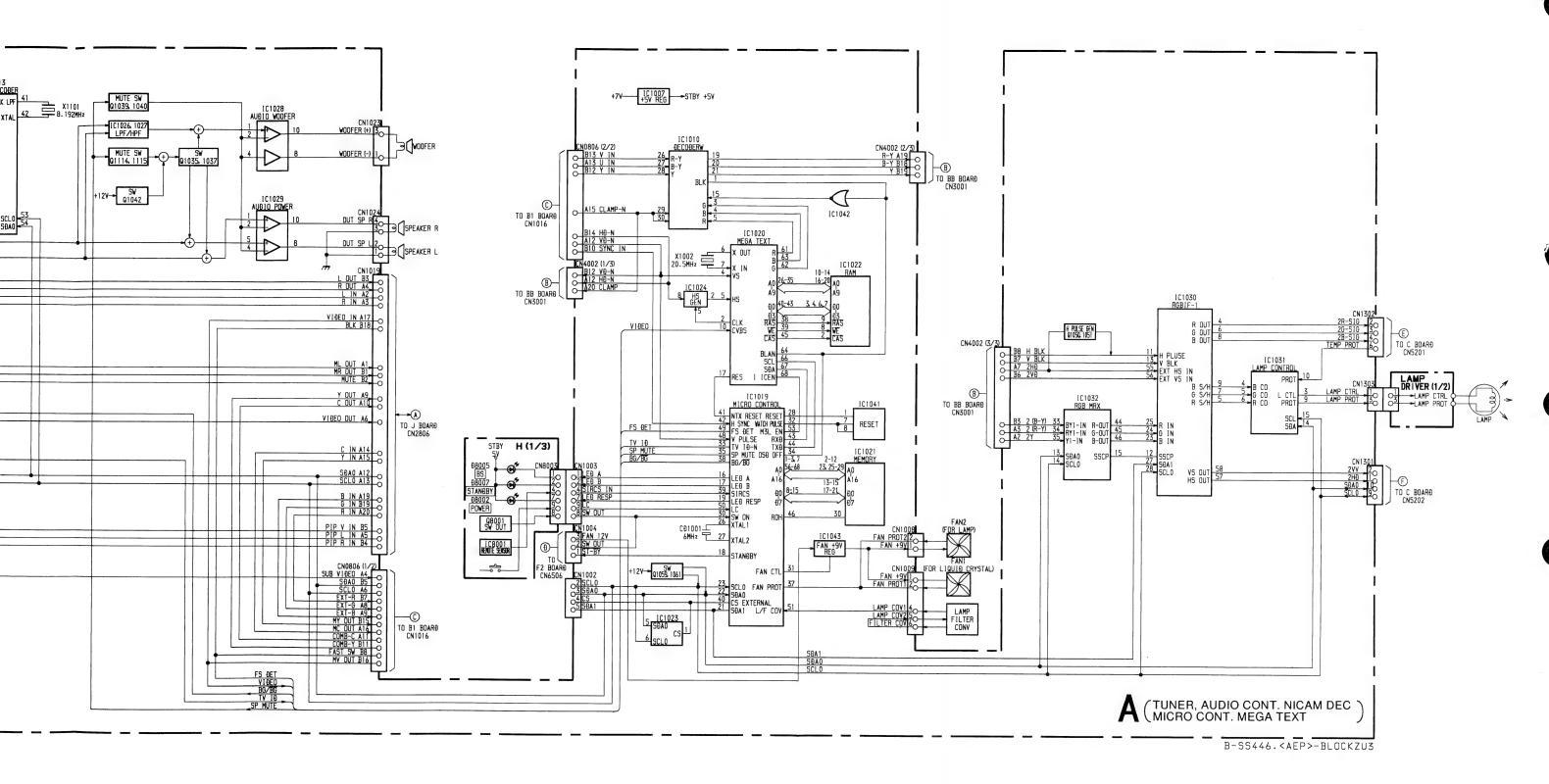


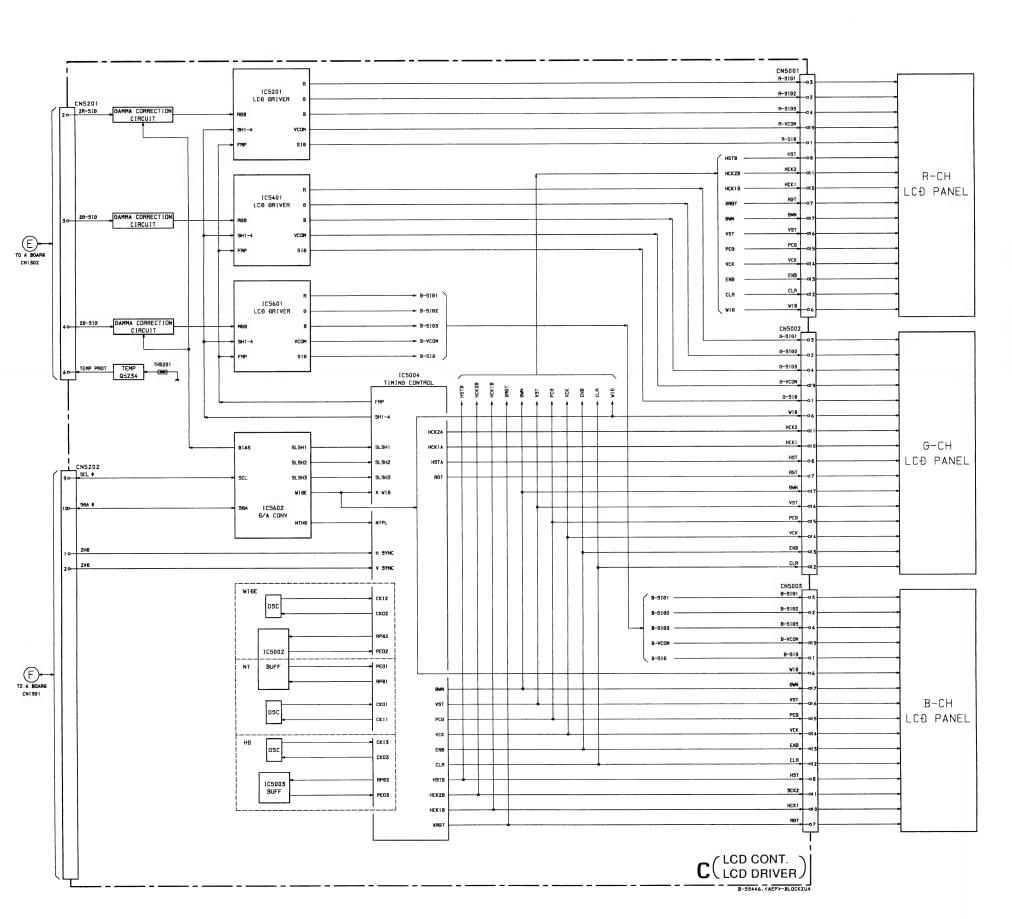






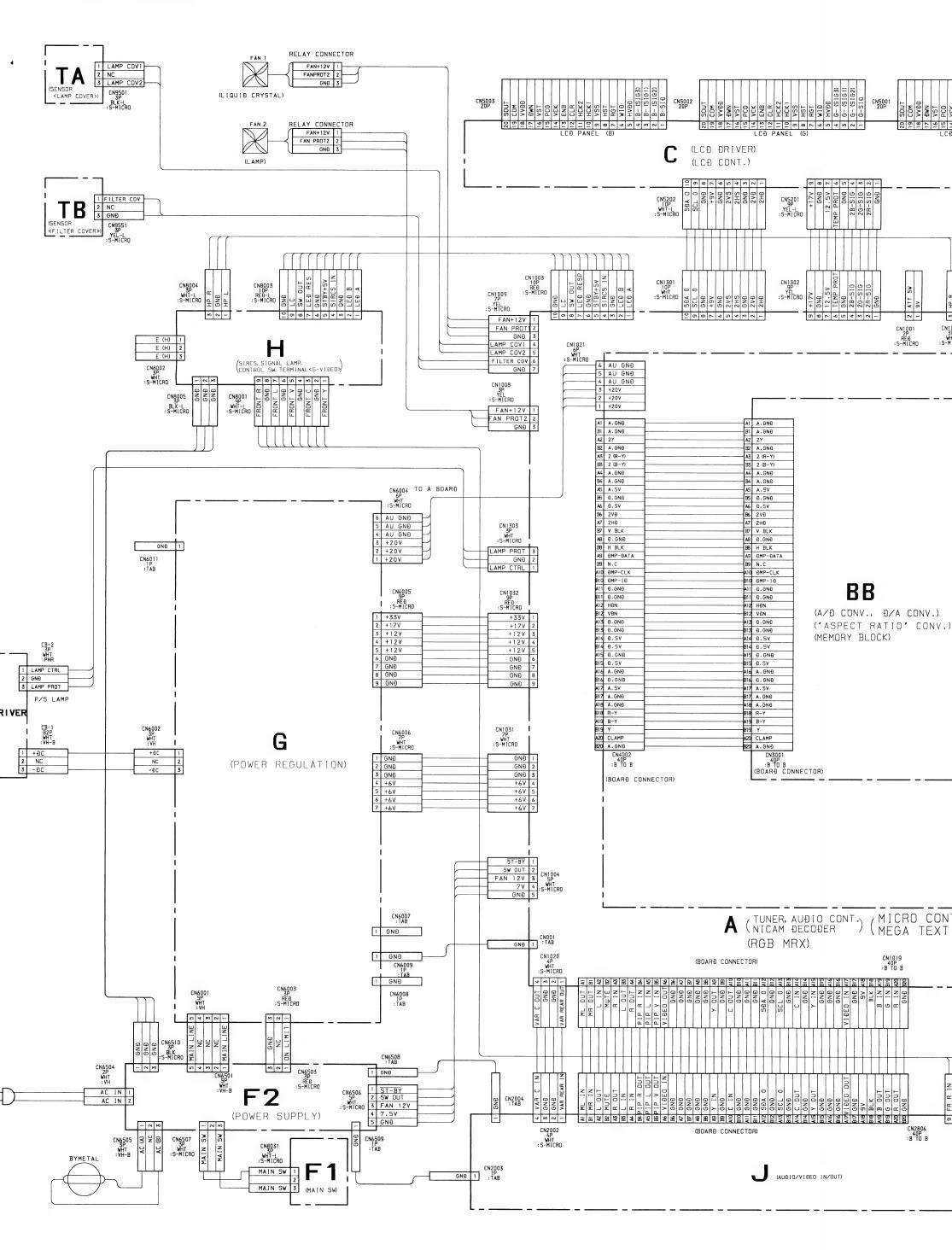


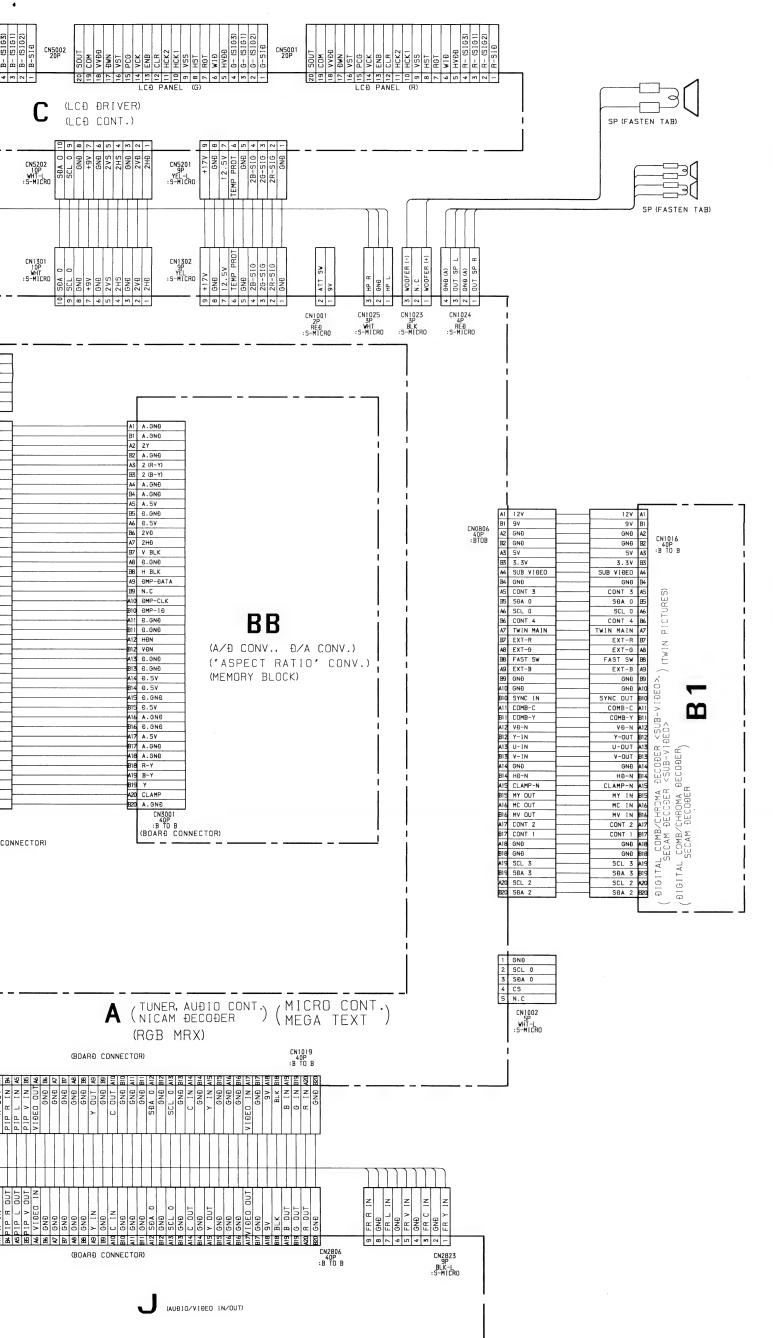




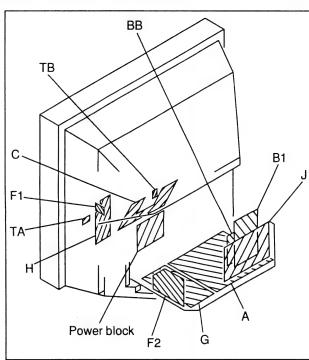


# RAME SCHEMATIC DIAGRAM





# 4-3. CIRCUIT BOARDS LOCATION



# 4-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

# Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 V or less are not indicated except for electrolytic.
- · Indication of resistance, which does not have one for rating electrical power, is as follows.

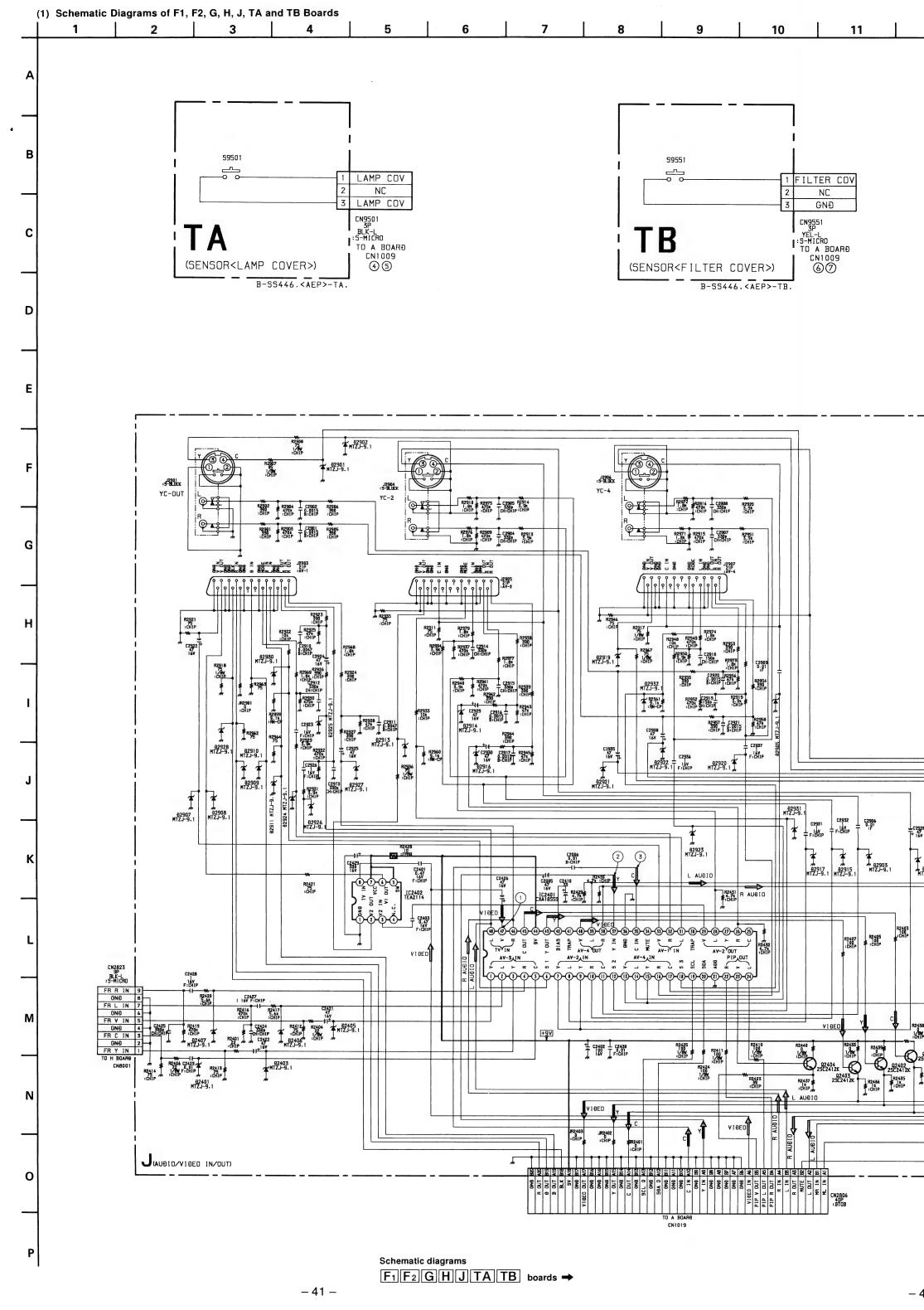
Rating electrical power 1/4 W (CHIP : 1/10 W)

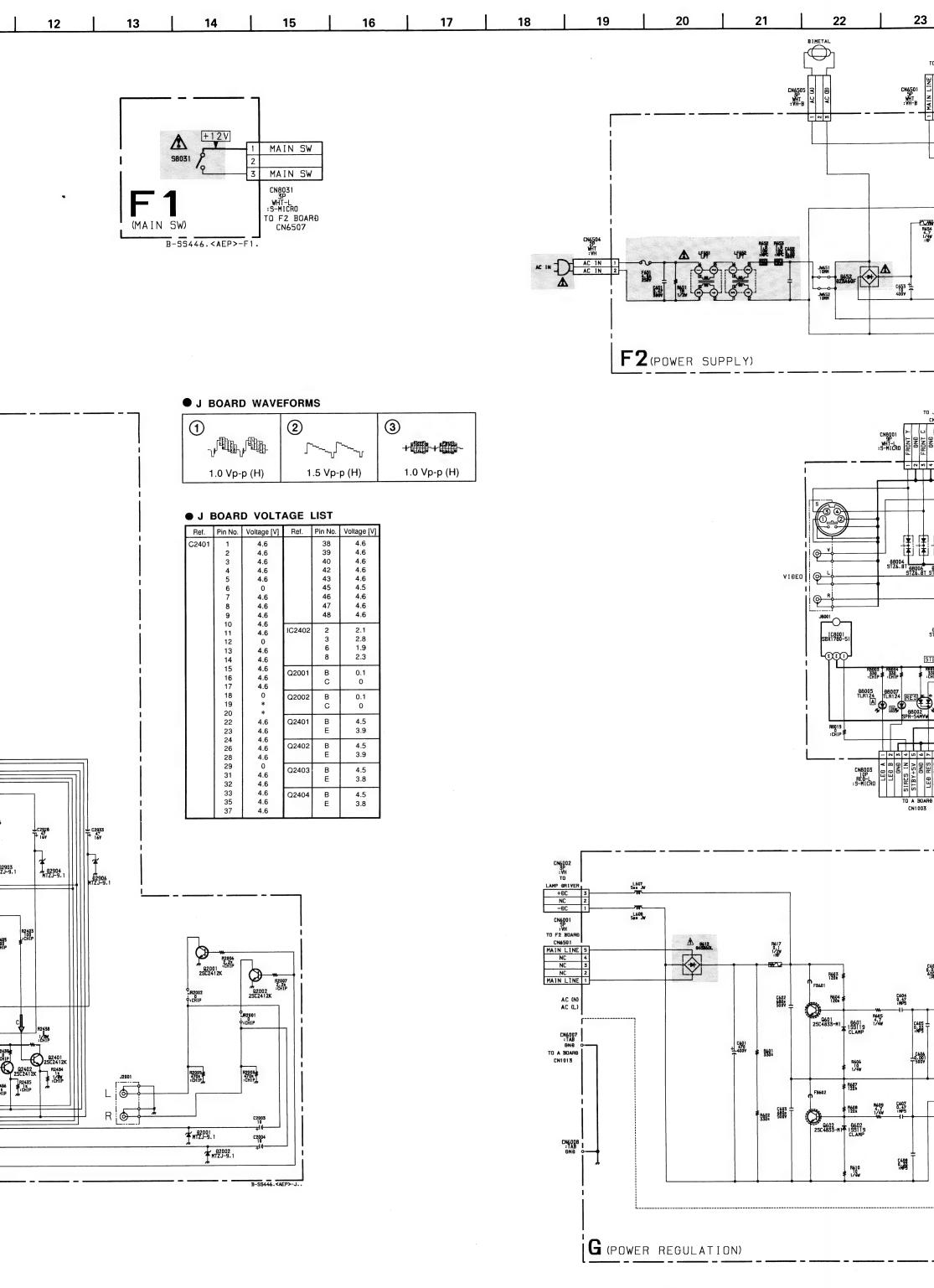
- · All resistors are in ohms.
- : nonflammable resistor.
- fusible resistor.

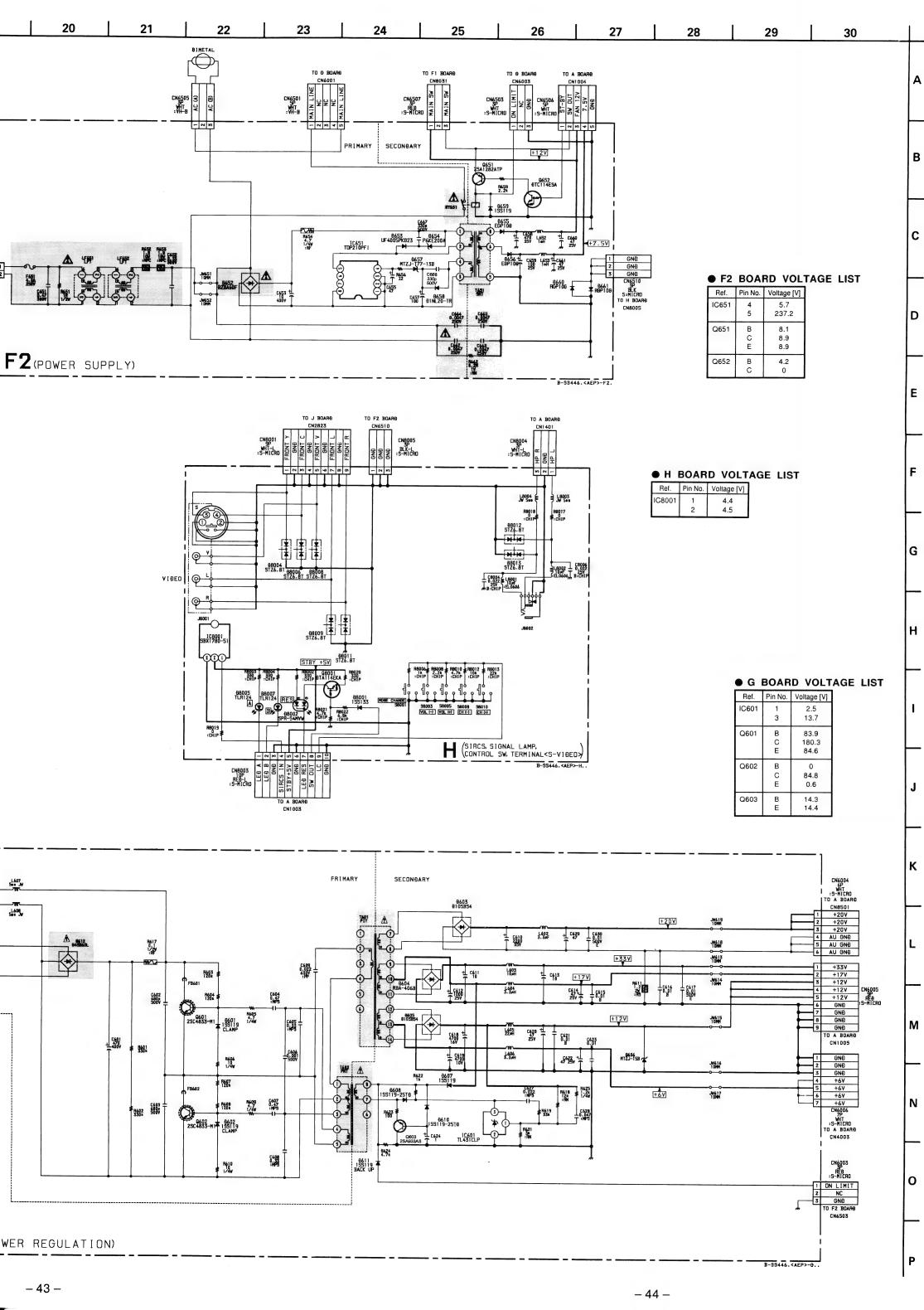
- · All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- ⊥ : earth-ground. • + : earth-chassis.
- · All voltages are in V.
- Readings are taken with a 10  $M\Omega$  digital multimeter. · Readings are taken with a color-bar signal input.
- · Voltage variations may be noted due to normal production
- tolerances.
  - \* : Can not be measured.
- NO MARK: PAL ( ): SECAM
- Circled numbers are waveform references. = : B + bus.
- . --- : B bus.
- ⇒ : Signal path.

Reference information		
RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RW	NONFLAMMABLE WIREWOUND
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

Note: The components identified by shading and mark number specified.

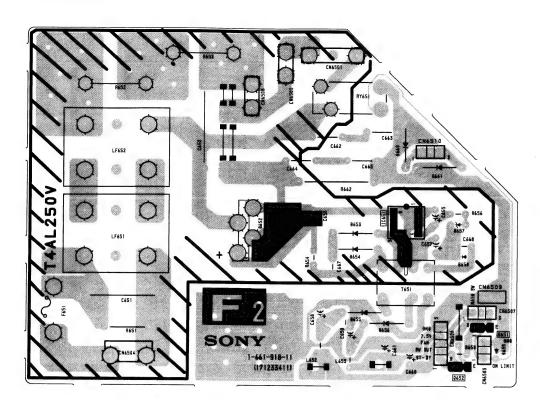




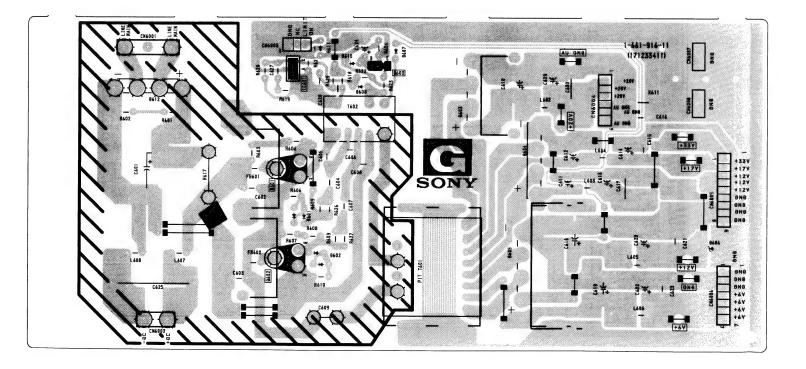


AUDIO/VIDEO IN/OUT

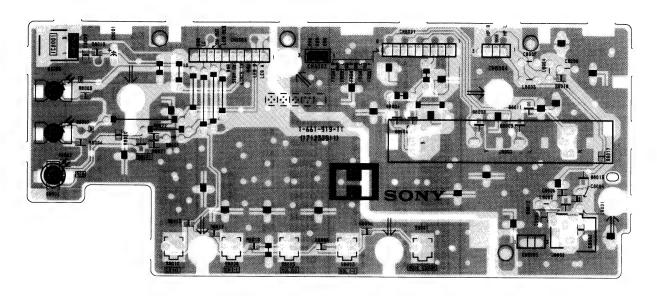
## — F2 Board —



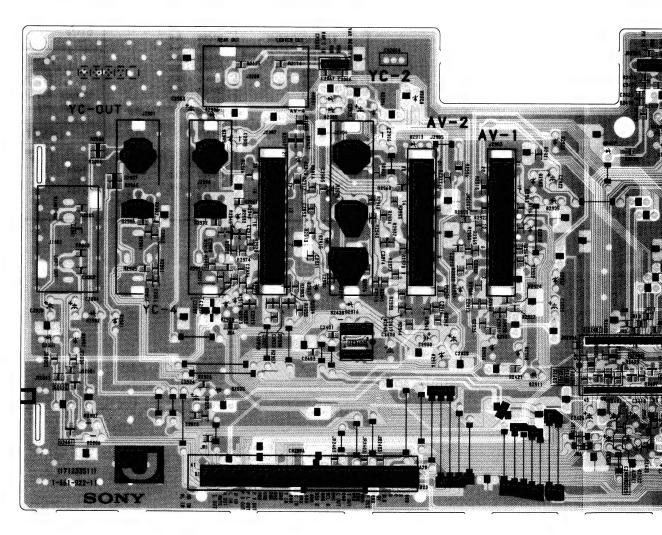
## — G Board —



## — H Board —



## — J Board —



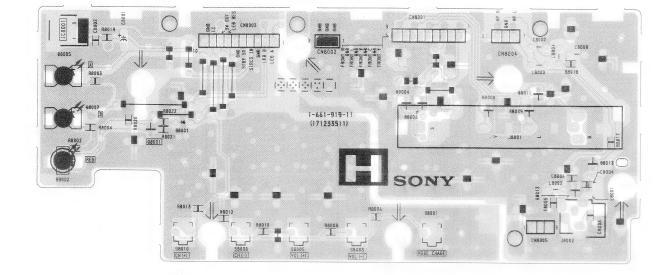
1-661-916-11 (171233411)



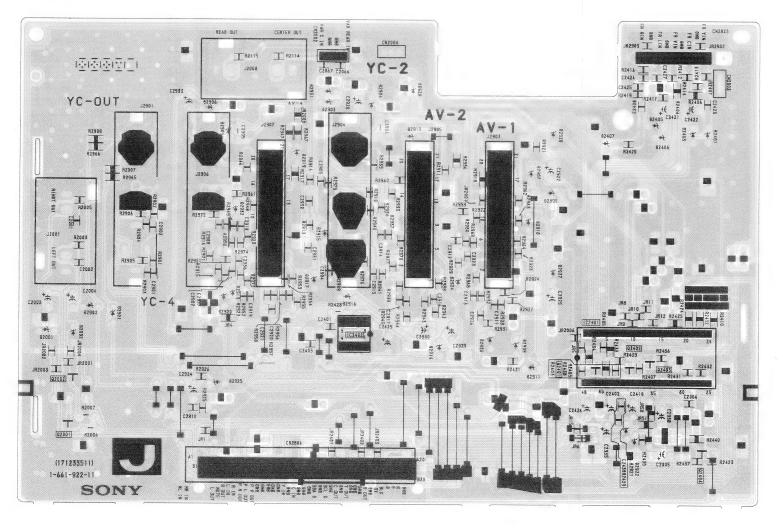




## - H Board -



- J Board -





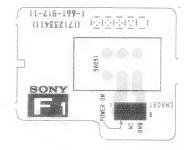


SENSOR (LAMP COVER)

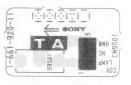


SENSOR (FILTER COVER)

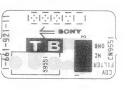
- F1 Board -



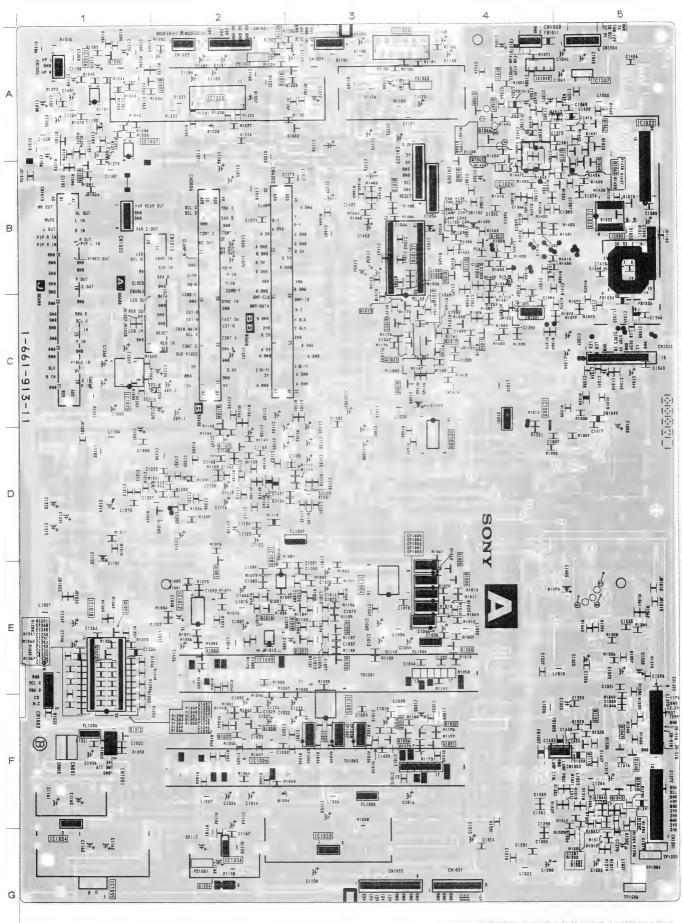
## - TA Board -



## - TB Board -



- A Board (Conductor Side) -

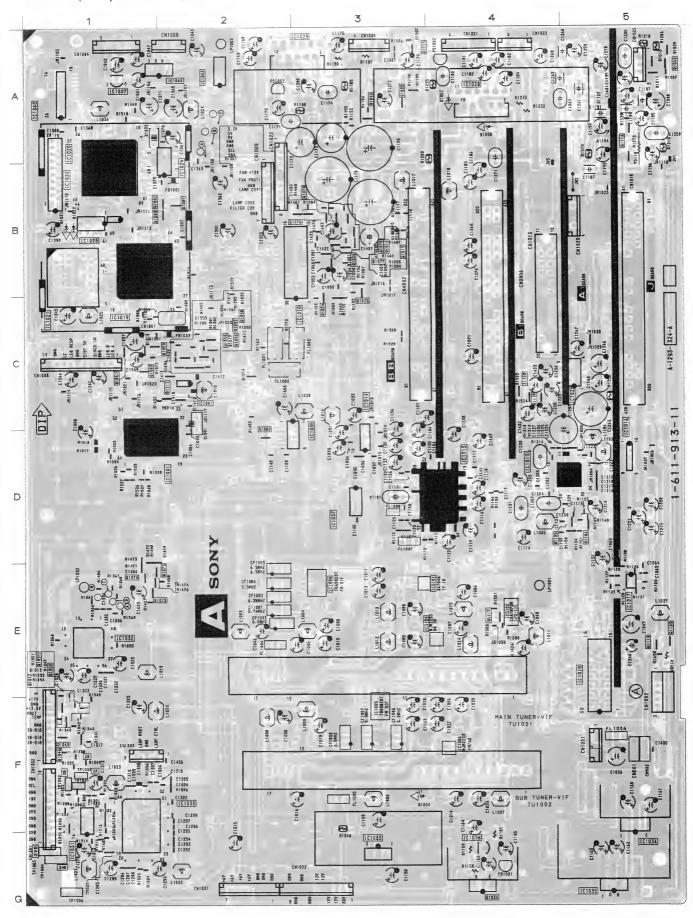


KL-

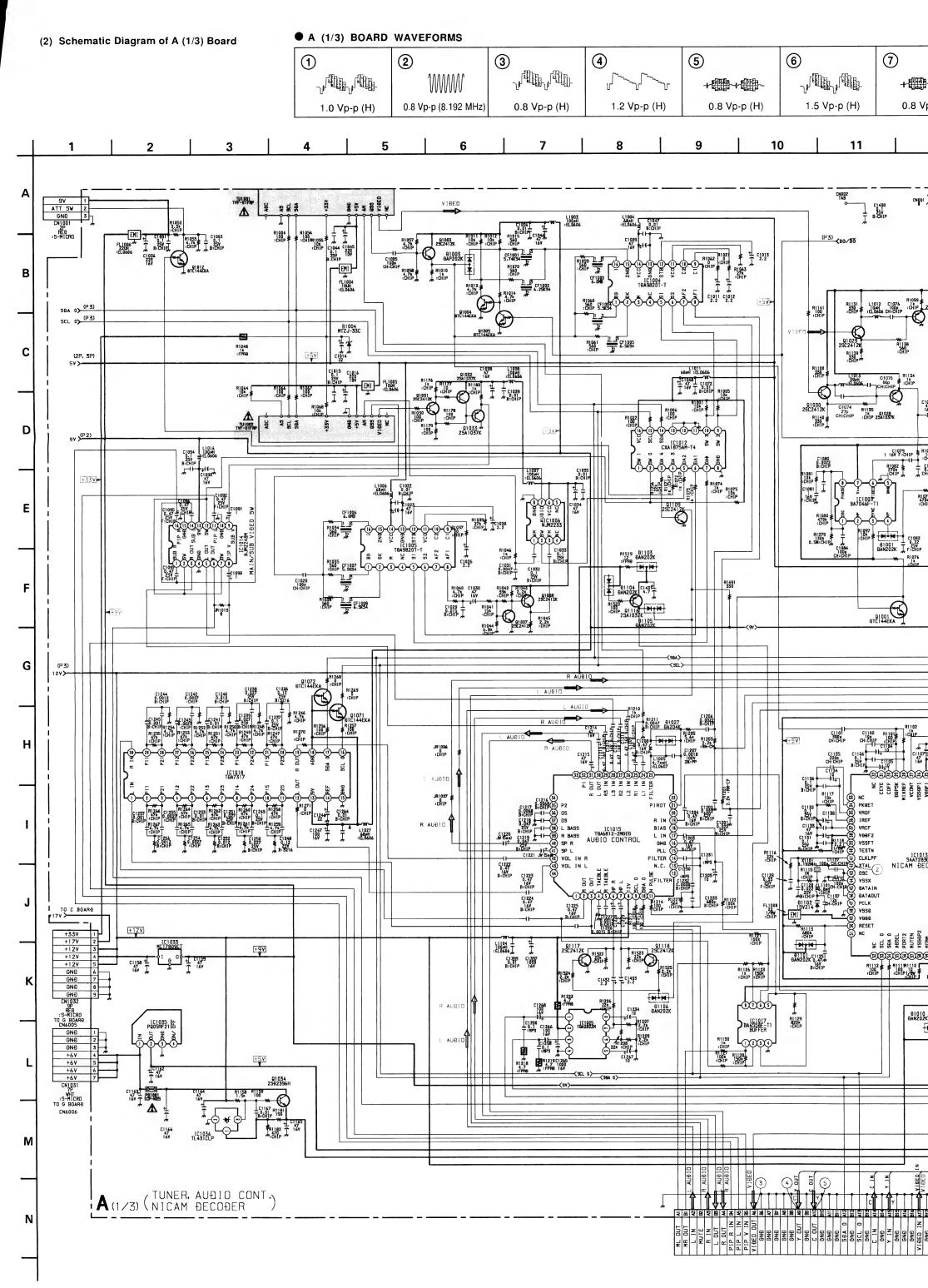
## • A BOARD SEMICONDUCTOR LOCATION

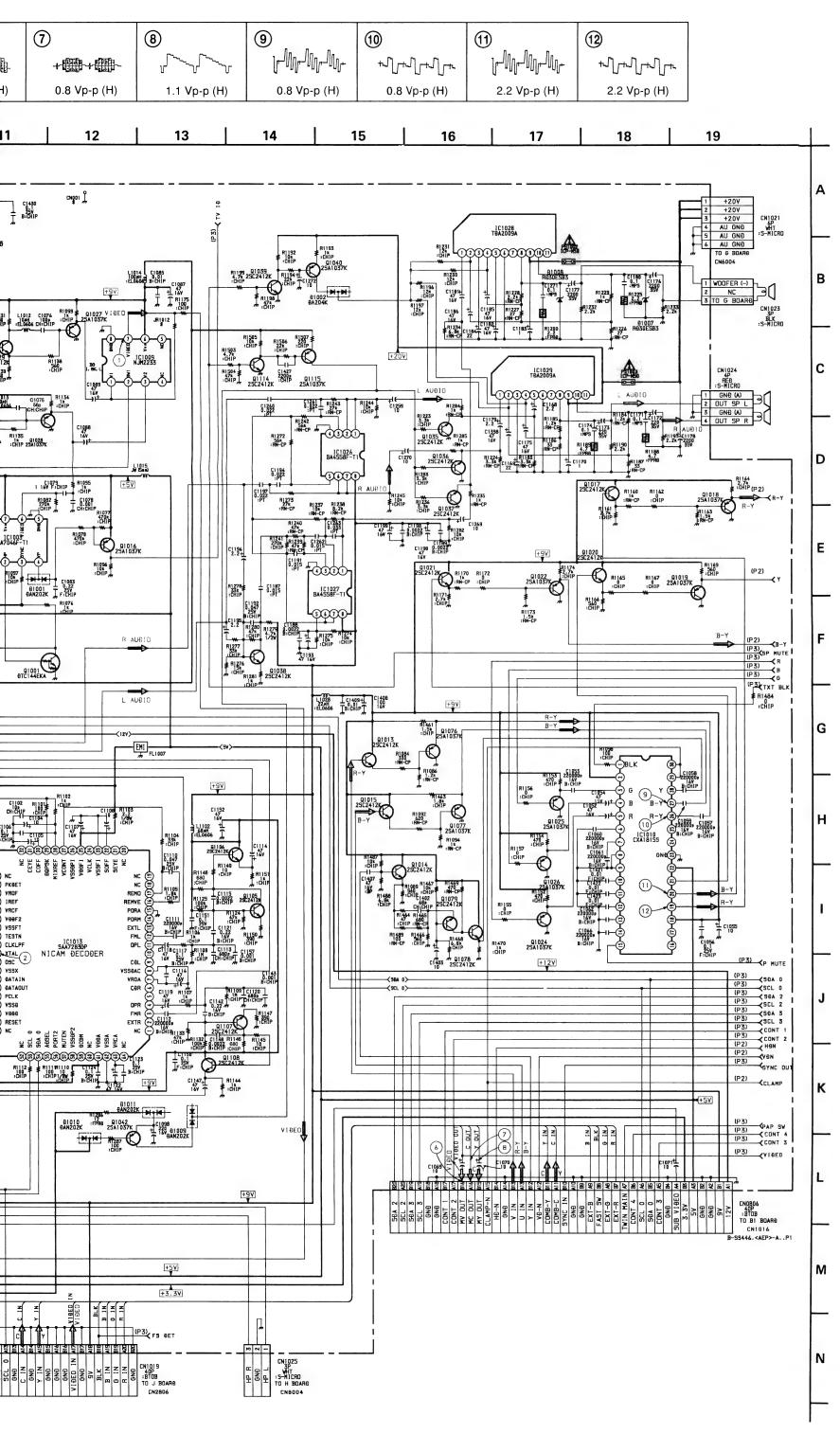
	IC		Q1019	C-3		Q1112	B-4	
	(Conductor)	(Component)	Q1020	C-3		Q1114	A-3	
	Side	Side	Q1021	C-3		Q1115		A-3
IC1001		D-1	Q1022	C-3	0.0	Q1116		A-5
IC1003	E-2		Q1024 Q1025		C-3	Q1117		C-4
IC1004	E-3	E-3	Q1025		C-3 B-3	Q1118		C-4
IC1005	F-3		Q1028	E-3	D-3	Q1119	F-5	
IC1006	F-2	F-4	Q1027	E-3		Q1120	F-5	
IC1007	A-5	A-1	Q1028	E-3				
IC1009	E-2		Q1029	E-3	(4)		DIODE	
IC1010	B-3	B-3	Q1031	F-4			(Conductor)	/C
IC1012	E-2		Q1032	F-4			Side	(Component) Side
IC1013		D-4	Q1033	F-3		D1001	E-2	
IC1014		D-3	Q1034	G-2	G-4	D1002	<b>A</b> -3	
IC1015		D-4	Q1035	A-3		D1003	E-4	
IC1017		E-5	Q1036	A-1		D1004	F-2	F-3
IC1018	E-1	E-5	Q1037	A-1		D1007	A-2	A-4
IC1019		B-1	Q1038	B-1		D1008	A-2	A-4
IC1020 IC1021		A-1 B-1	Q1039		A-3	D1009		A-5
IC1021	B-5	B-1	Q1040		A-3	D1010		A-5
IC1022	B-5	B-1	Q1042		A-5	D1011		A-5
IC1023	B-3 B-4	B-1 B-2	Q1043	F-5		D1012		F-1
IC1024	C-1	C-5	Q1044	F-5		D1013		F-1
IC1025	A-1	0-5	Q1045	F-5		D1014	0.4	C-2
IC1020	A-1		Q1046		F-1	D1015	C-4	
IC1028	A-2	A-4	Q1047	F-5		D1018	0.6	C-1
IC1029	A-3	A-3	Q1048	F-5		D1019	B-5	
IC1020	~ 0	F-1	Q1049		F-1	D1020	B-5	D 4
IC1031		G-1	Q1050		F-1	D1021 D1022	B-5 B-5	B-1 B-1
IC1032		E-1	Q1051		F-1	D1022	B-5	D-1
IC1033	G-3	G-3	Q1052	B-4		D1024	B-4	
IC1035	G-1	G-5	Q1053	B-4		D1026	D-2	
IC1036	G-2	G-4	Q1059		C-1	D1101	U-2	D-3
IC1041		C-2	Q1060		C-1	D1102	D-3	D-3
IC1042		A-2	Q1061		C-1	D1102	D-0	A-5
IC1043	A-4	A-2	Q1062	A-5		D1104		A-5
			Q1064	B-5	i	D1105	A-1	,,,,
	****		Q1065	B-4		D1106		A-5
IR	ANSIST	JH	Q1066 Q1067	A-4 A-4				
	(Conductor)	(Component)	Q1068	A-4			T	
04004	\ Side /	(Side /	Q1069	B-4	i i		TUNER	
Q1001	E-2		Q1070	B-5	Γ		(Conductor)	(Component)
Q1003	E-4		Q1071	E-1	1		(Side /	\ Side /
Q1004	E-4		Q1072	E-1		TU1001	E-3	E-3
Q1005	E-4		Q1076		B-3	TU1002	F-3	F-3
Q1007 Q1008	F-2 F-2		Q1077		B-3			
Q1008	A-4		Q1078		B-3		RYSTAL	
Q1011	F-1		Q1079		B-3		TITOTAL	
Q1012	B-3		Q1105		D-5		(Conductor)	(Component)
Q1013	J-3	В-3	Q1106		D-5	V1001	Side /	( Side /
Q1015		B-3	Q1107	D-2		X1001	C-4	C-2
Q1016	E-2		Q1108	C-2		X1002 X1101	A-4 D-3	A-1 D-3
Q1017	C-4		Q1109		E-5	A1101	J-3	J-3
	C-4	C-1	Q1110		E-5			
Q1018								

— A Board (Component Side) —

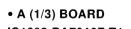


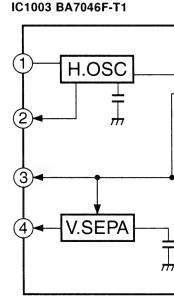
: Pattern of the rear side.



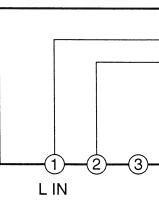


Ref.	Pin No.	Voltage [V]
IC1003	1 2 3 4 6 8	2.0 4.5 0.7 4.9 0 1.8
IC1004	1 2 5 6 7 8 9 10 11 12 15	2.6 0 5.0 5.0 2.3 2.2 2.1 2.2 2.7 4.4 2.6
IC1005	1 2 3 5 6 7 8 9 10 11 12 15 16	2.5 0 0 4.6 4.6 2.3 2.2 2.3 2.2 2.7 4.3 2.6 0
IC1006	1 2 3 6 7	5.5 4.5 5.4 9.0 4.7
IC1009	1 2 3 6 7	5.4 0.9 5.5 8.9 4.7
IC1010	1 2 3 4 5 6 7 8 9	0 7.6 5.0 4.6 4.6 2.9 2.9 0 0





• A (1/3) BOARD IC1028, 1029 TDA2009A



## ● A (1/3) BOARD VOLTAGE LIST

Α

В

С

D

Ε

F

G

Н

K

L

M

Ν

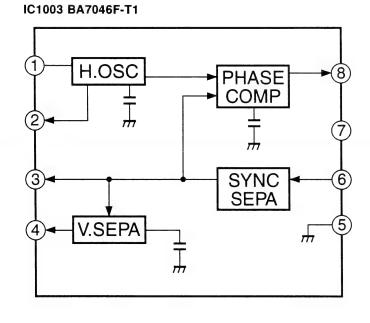
(P3) ← MUTE

CN0806 40P :BT0B TO B1 BOARD CN1016 S446.<AEP>-A..P1

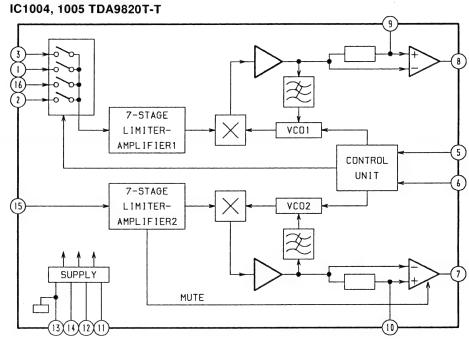
CN1023 3P BLK :S-MICRO

Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]
IC1003	1	2.0		11	4.4		63	2.4	IC1018	1	4.5	IC1029	1	0.8		E	3.3	Q1037	В	0.2
	2	4.5		12	4.4	IC1014	1	4.5		2	4.5		2	1.5	Q1018	В	1.5	1	E	0
	3 4	0.7		13 14	2.9 3.0	101014	2	2.4		3 4	4.5 4.5		3 4	10.3 1.2	Q1010	Ē	2.1	Q1038	В	1.3
	6	4.9 0		15	0		3	3.9		5	4.5		5	0	⊢—				С	5.3
1 1	8	1.8		18	7.5		5	3.8		6	4.5		8	ő	Q1019	В	3.7		E	0.7
ļ	_			19	3.0		6	3.6		7	4.5		10	0		Е	4.3	Q1039	В	0.7
IC1004	1	2.6		20	2.5		7	2.4		8	4.5	101000	,	10.0	Q1020	В	4.3	Q1039	C	0.7
	2 5	0 5.0		21	3.1		8 9	2.7 4.8		9	4.5	IC1033	0	12.3 9.0	l	Е	3.7			
	6	5.0		26 27	5.1 5.3		11	4.5		10 11	4.5 4.5			3.0	Q1021	В	3.9	Q1042	В	7.8
	7	2.3		28	5.4		14	0		12	4.5	IC1036	1	2.5	Q1021	E	3.3		c	-1.9
	8	2.2		29	2.7		16	4.6		14	4.5		3	4.0			0.0		E	8.7
	9	2.1		30	2.7	104045		0.1		16	4.4	Q1001	В	4.5	Q1022	В	1.9	Q1071	С	4.6
	10	2.2				IC1015	2	6.1 6.1		17	3.6	4.00	C	0.2	i .	E	2.5		E	4.6
	11	2.7	IC1012	1	0		4	6.0		19	4.5				Q1024	В	0.7	Q1072	С	3.9
1	12 15	4.4 2.6		2	2.4 4.6		5	0		20	4.5	Q1002	В	0	Q.102.1	Ē	1.4	Q1072	E	4.0
	16	0		4	4.7		6	6.1		21 22	4.5 4.5		E	0		_				
	,0	-		5	4.6		7	6.1		23	4.5	Q1003	В	4.4	Q1025	В	0.7	Q1076	В	3.7
IC1005	1	2.5		6	4.6		9	*		24	4.5		Е	3.8		Е	1.4		E	4.3
	2	0		7	4.6		10 11	*		25	4.5	Q1004	В	0	Q1026	В	0	Q1077	В	2.8
	3 5	0 4.6		9	5.0		13	0.2 3.1		26	4.5	Q1004	C	9.0		E	1.4	Q.07,	Ē	3.4
ŀ	6	4.6		10 14	5.0 4.5		14	3.2		27	4.5			0.0	Q1027	В	1.2			
	7	2.3		15	4.5	1	15	4.0		28	4.5	Q1005	В	1.0	Q1027	E	1.8	Q1078	В	0
	8	2.2		- 10	4.5		17	6.0		2 <b>9</b> 30	4.5 4.5		С	0			1.0		Ε	5.8
	9	2.3	IC1013	3	2.3		18	6.0		30	4.5	Q1007	В	0.6	Q1028	В	1.2	Q1079	В	3.5
	10	2.2		4	2.4		19	6.0	IC1025	1	5.6	1 4 7 5 5 7	C	4.5		E	1.9		С	6.4
	11	2.7		7 8	2.4 0		21 23	6.1 6.1		3	5.7		<del> </del>		Q1029	В	1.8		Ε	2.8
	12 15	4.3 2.6		11	2.4		24	6.1		5	0.6	Q1008	В	4.5		С	7.8	Q1105	В	2.3
	16	0		12	2.4		25	6.0		6 7	0		E	3.9		E	1.2	Q1100	c	4.7
	.0			16	2.3		26	6.0		8	0.6	Q1009	В	8.1	Q1030	В	1.0		E	0
IC1006	1	5.5		17	2.4		27	6.0					С	8.8	Q1030	С	1.8 7.8	0.1.1.0.0	_	4.7
	2	4.5		22	2.3		28	6.0	IC1026		4.5		E	8.9		Ē	1.2	Q1106	B E	4.7 4.1
İ	3 6	5.4 9.0		27	2.4		29	6.0		2	4.5	Q1010	В	2.0						4.1
	7	4.7		28 29	2.3 2.3		30 31	6.1 6.1		3 5	4.5 4.5	1 41010	C	1.8	Q1031	В	2.1	Q1107	В	2.3
				30	2.3		32	0.1		6	4.5		E	0		CE	0 1.5		С	4.7
IC1009	1	5.4		34	0.2		36	6.0		7	4.5	04040	В	4.0			1.5		E	1.7
i	2	0.9 5.5		35	2.3		37	6.0				Q1012	Ē	4.6 0	Q1032	В	8.3	Q1108	В	4.7
	6	8.9		36	2.3		38	6.1	IC1027	1	4.5 0			ļ		С	3.0		E	7.0
	7	4.7		37	2.3		39	6.1		2	4.3	Q1013	В	5.5		Ε	8.9	01100		0.7
				41 42	4.0 3.4		40 41	6,1 6.1		5	4.5		E	4.8	Q1033	В	3.0	Q1109	ВС	0.7 0.1
IC1010	1	0		43	2.4		42	6.1		6	4.5	Q1014	В	3.5		Ε	3.6		Ü	0.1
	2	7.6 5.0		44	0		43	6.1		7	4.5		Ē	2.8				Q1110	В	0
	4	4.6		45	2.7				IC1028	1	1.1	<b> </b>			Q1034	B	3.9 3.3		С	9.0
	5	4.6		46	2.6	IC1017	1	4.7	10 1028	2	1.3	Q1015	В	5.4			3.3			
	6	2.9		47	2.3		2 3	5.4 5.4		3	9.6		E	4.8	Q1035	В	0.2			
	7	2.9		50	4.6		5	5.4	l	4	1.4	Q1016	В	4.4		Ε	0			
	8	0		53 54	3.8 4.4		6	5.4	l	5	1.0		С	4.9	Q1036	В	0.2			
	9 10	0 4.4		61	4.8		7	4.7	l	8	0.2	Q1017	В	3.9	1 31000	E	0.2			
	10	4.4							l	10	0.2	13101/	"	3.3						

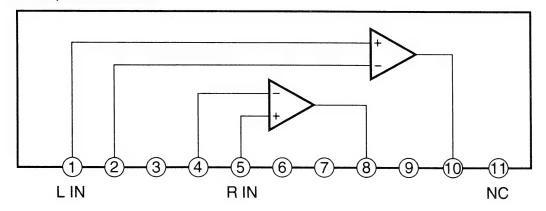
# • A (1/3) BOARD

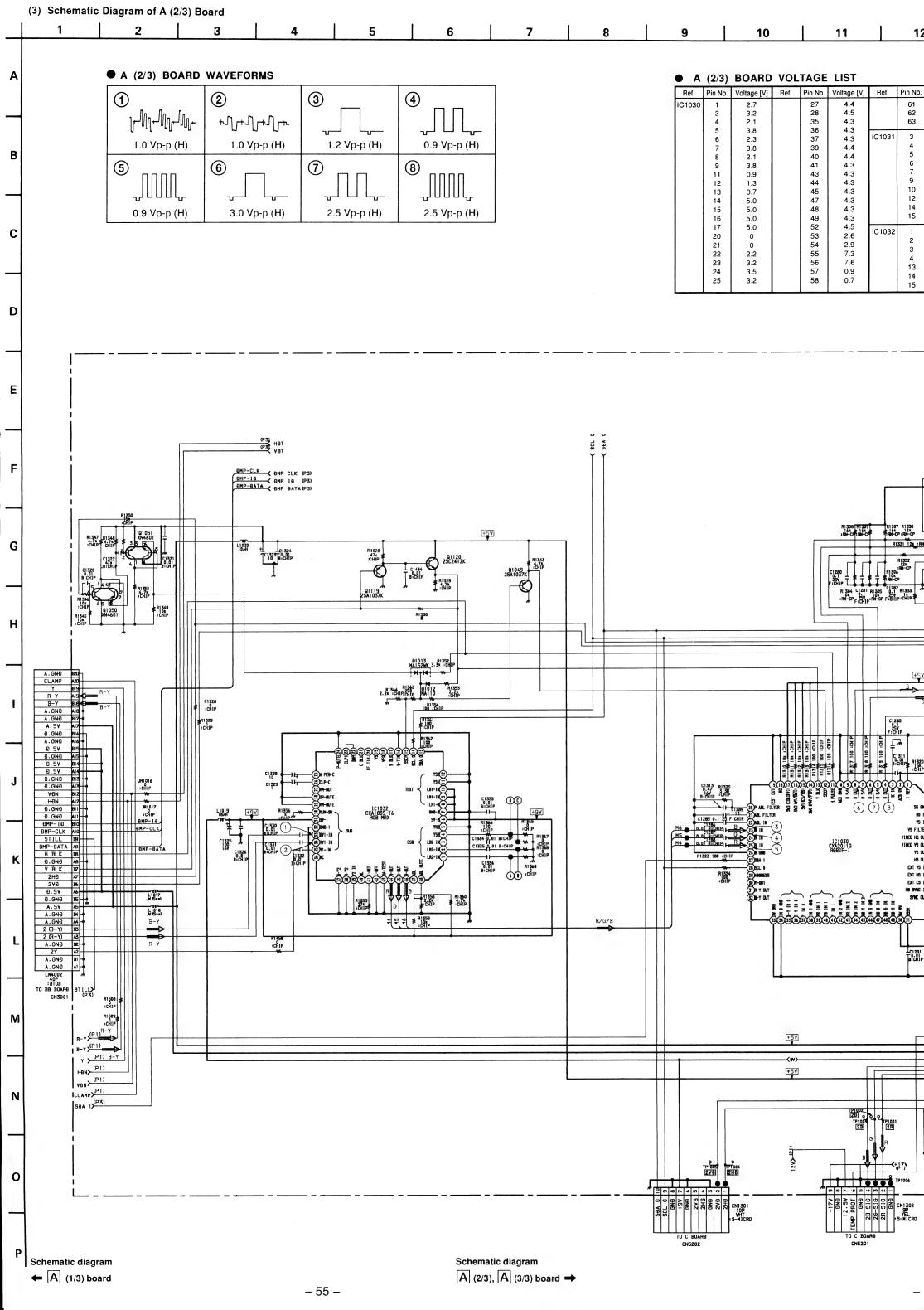


## • A (1/3) BOARD



## • A (1/3) BOARD IC1028, 1029 TDA2009A

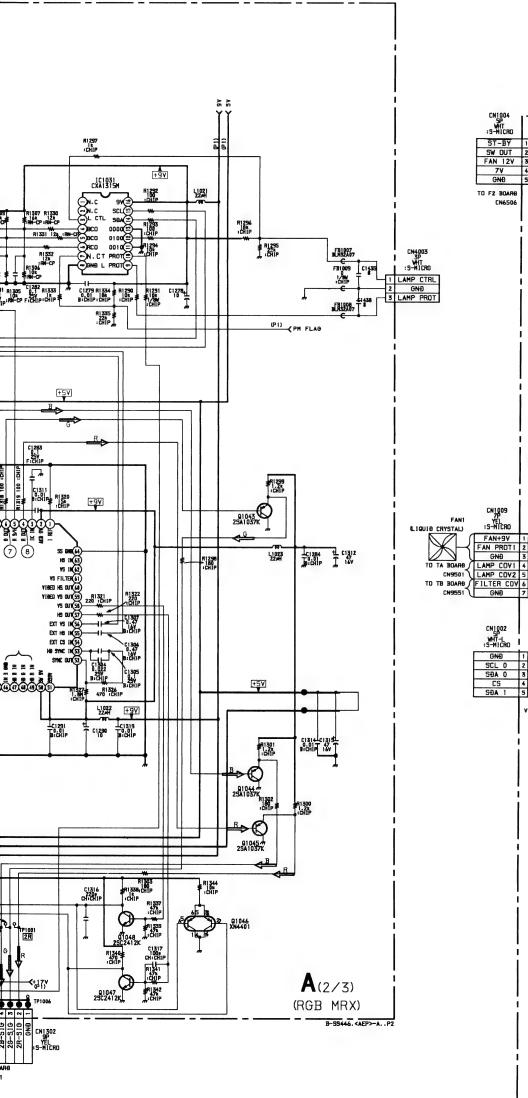


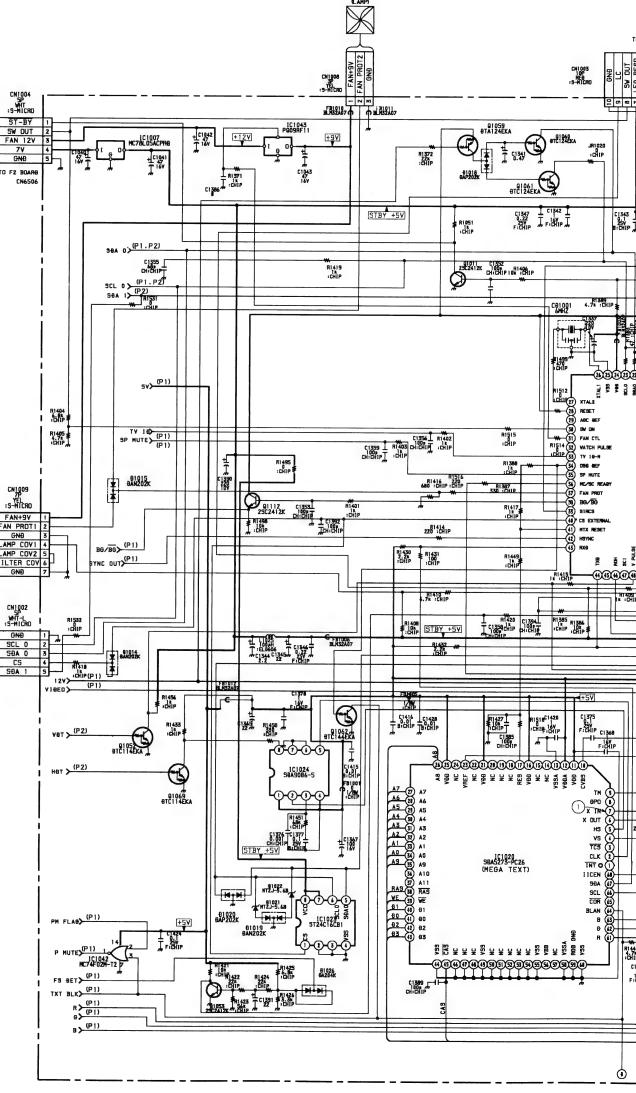


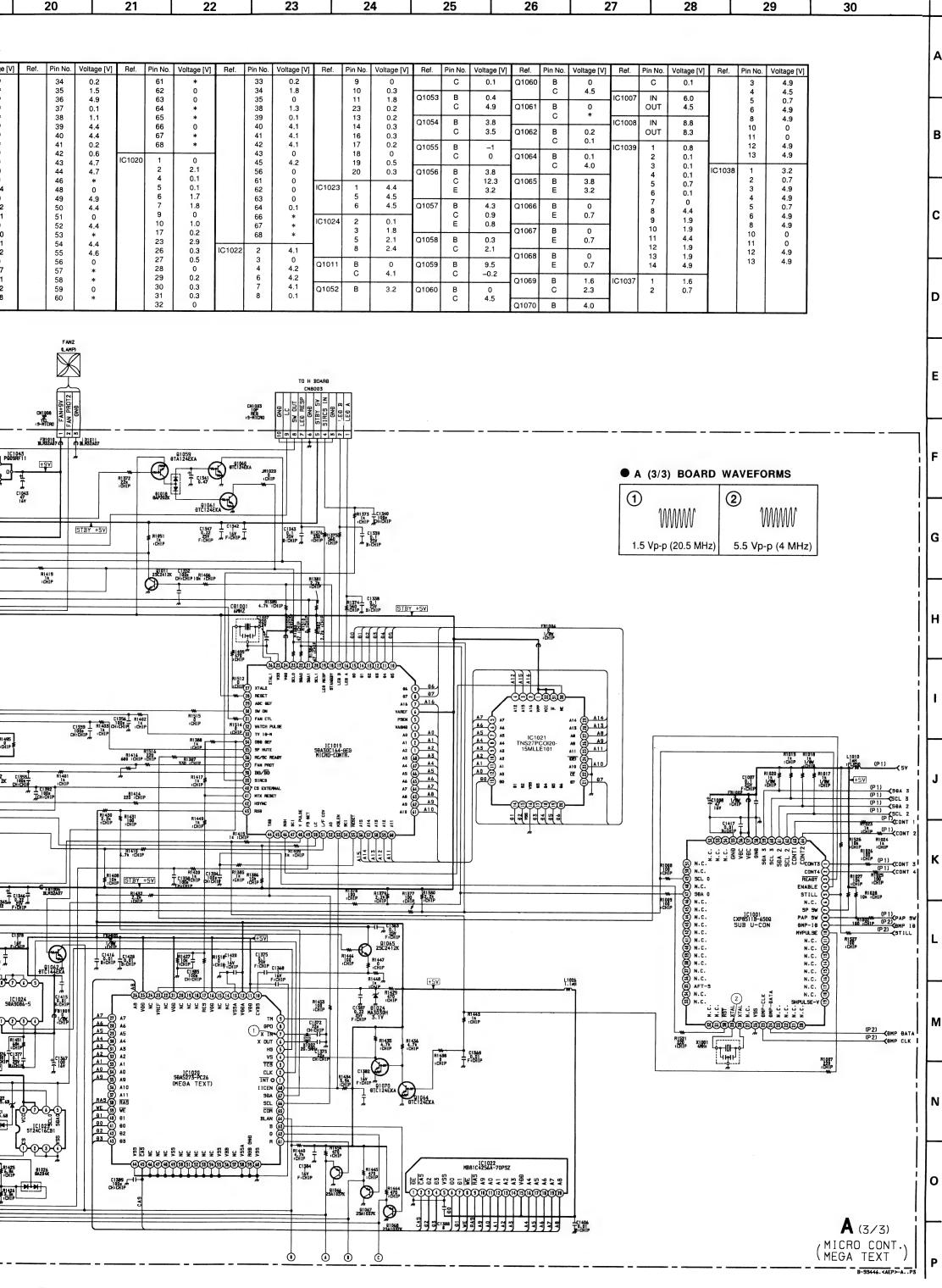
Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]
	61 2.4 62 3.5 63 2.6			25 26 30 33	4.1 4.5 0		3 5 6	4.3 4.0 4.3
IC1031	4 4.4 5 4.4	4.4		34 35	4.4 4.4 Q104 4.7		B C	0.2 4.0
	6 7 9	4.5 5.3		44 45 46	2.5 2.8 2.6	Q1048	B C	0.4 4.0
:	10 12	0 0 <b>9</b> .0		47 48	8.9 1.6	Q1049	B E	0.7 1.3
	14 15	3.6 4.0	Q1043	B E	2.2 0	Q1050	1 2 5	0.3 0.4
IC1032	1 2	6.2 6.2	Q1044	B E	2.0 2.7		6	0.3
	3 4 13 14 15	6.2 0 4.5	Q1045	B E	2.0 0	Q1051	1 2 5	5.0 5.0 0.2
		4.5 0.6	Q1046	2	4.0		6	0.2

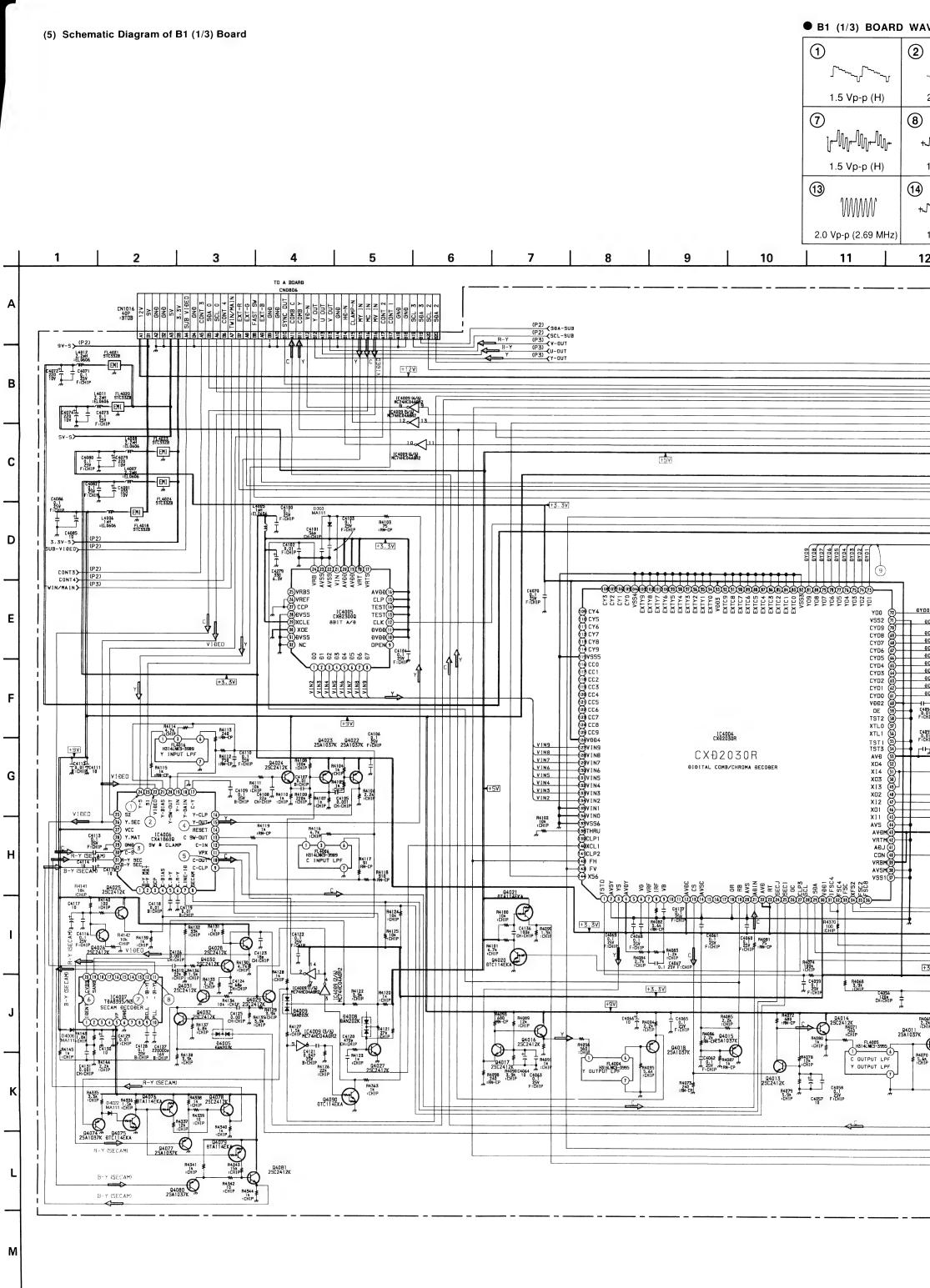
## A (3/3) BOARD VOLTAGE LIST

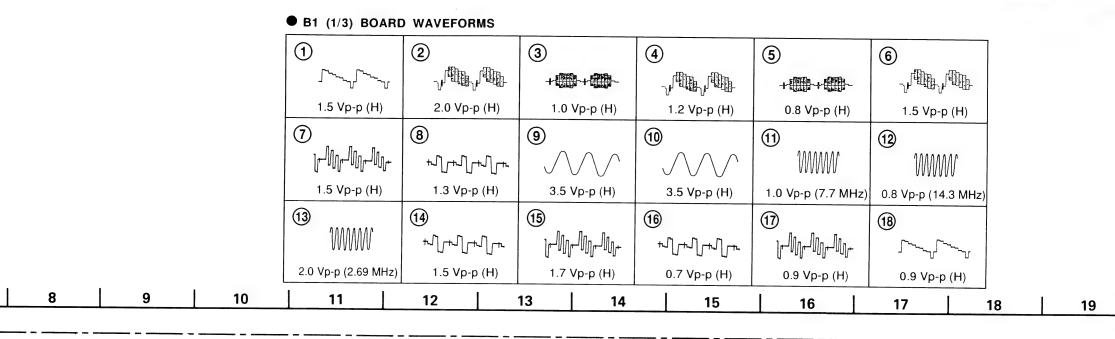
<b>U</b> A (	(3/3)	BUARD	VOLI	AGE	LISI									
Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage
IC1001	1	0		8	*		34	0.2		61	*		33	0.2
	2	0		9	*	l	35	1.5		62	0		34	1.8
	3	4.9	ı	10	*	I	36	4.9		63	0	1	35	0
	4	3.7	1	11	*		37	0.1		64	*		38	1.3
	7	0.1		12	*	l	38	1.1		65	*		39	0.1
	8	0.1	l	13	*	ì	39	4.4		66	0	l	40	4.1
	9	0.9	1	14	*	l	40	4.4		67	*		41	4.1
	10	0.1		15	*		41	0.2		68	*		42	4.1
	24	0.1		16	*		42	0.6					43	0
	25	4.9		17	*		43	4.7	IC1020	1	0		45	4.2
	28	2.5		18	0	ĺ	44	4.7		2	2.1	i	56	0
	29	2.1		19	*		46	*		4	0.1		61	0
	47	4.5		20	4.4		48	0		5	0.1		62	0
	49	3.8		21	0		49	4.9		6	1.7		63	0
	59	4.2		22	4.2		50	4.4		7	1.8		64	0.1
	60	4.5		23	4.1		51	0		9	0		66	*
	61	3.5		25	0		52	4.4		10	1.0		67	*
	62	4.0		26	2.0		53	*		17	0.2		68	*
	63	0		27	2.1		54	4.4		23	2.9			
	64	0		28	2.2		55	4.6		26	0.3	IC1022		4.1
				29	0		56	0		27	0.5		3	0
IC1019	1	*		30	3.7		57	*		28	0		4	4.2
	2	*		31	2.1		58	*		29	0.2		6	4.2
	3	*		32	2.2		59	0		30	0.3		7	4.1
.	7	*		33	4.8		60	*		31	0.3		8	0.1
										32	0			

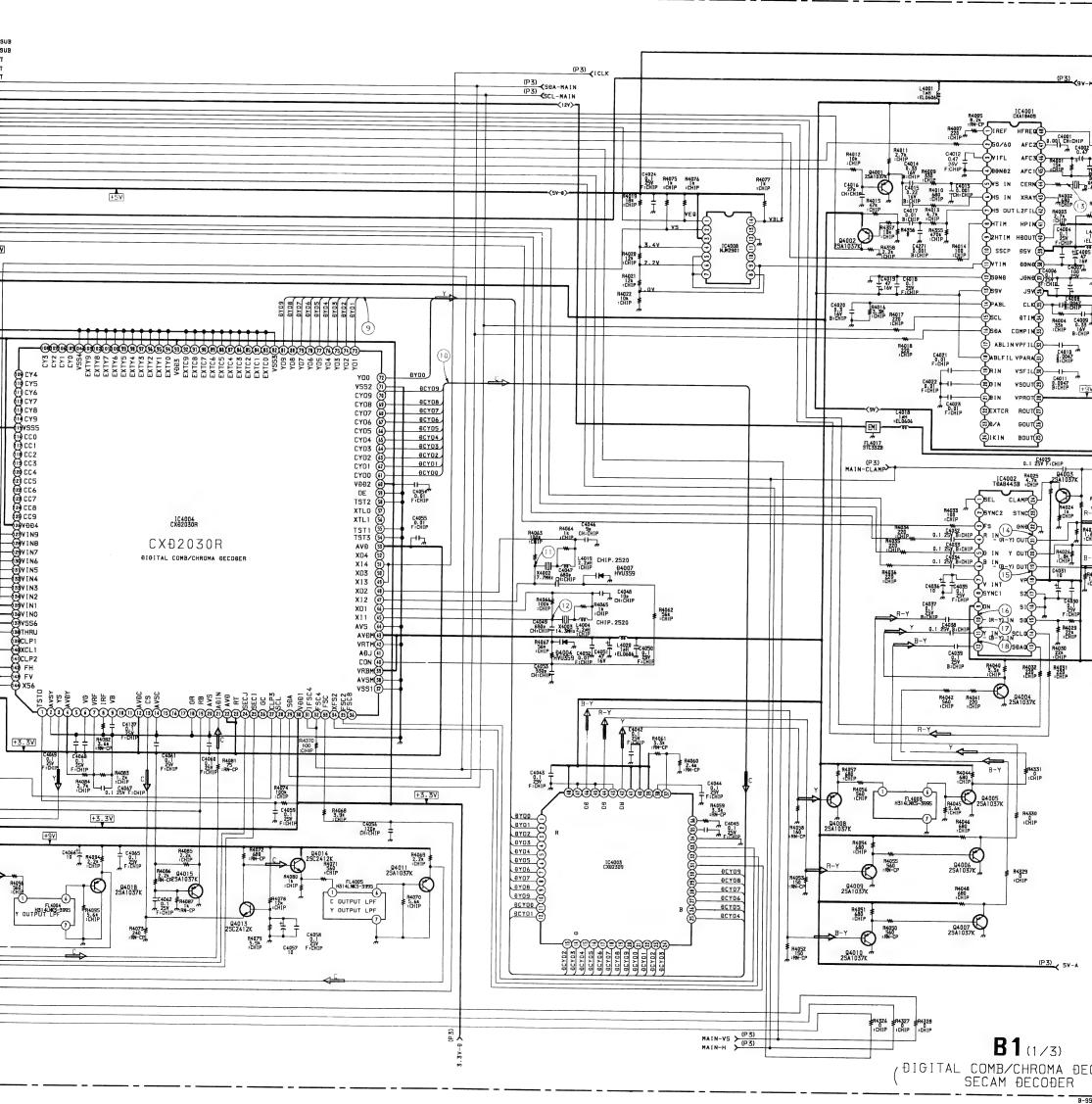


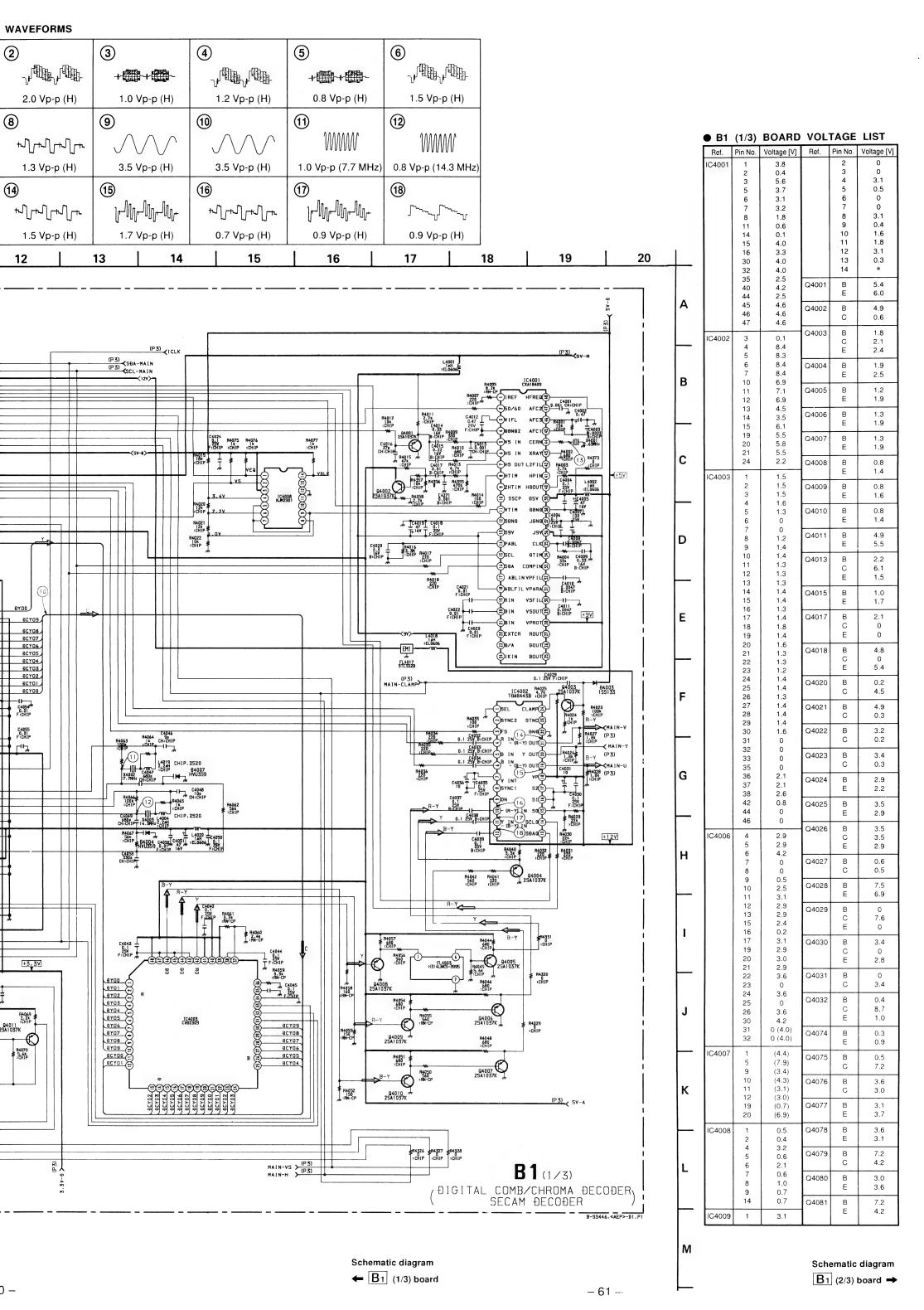


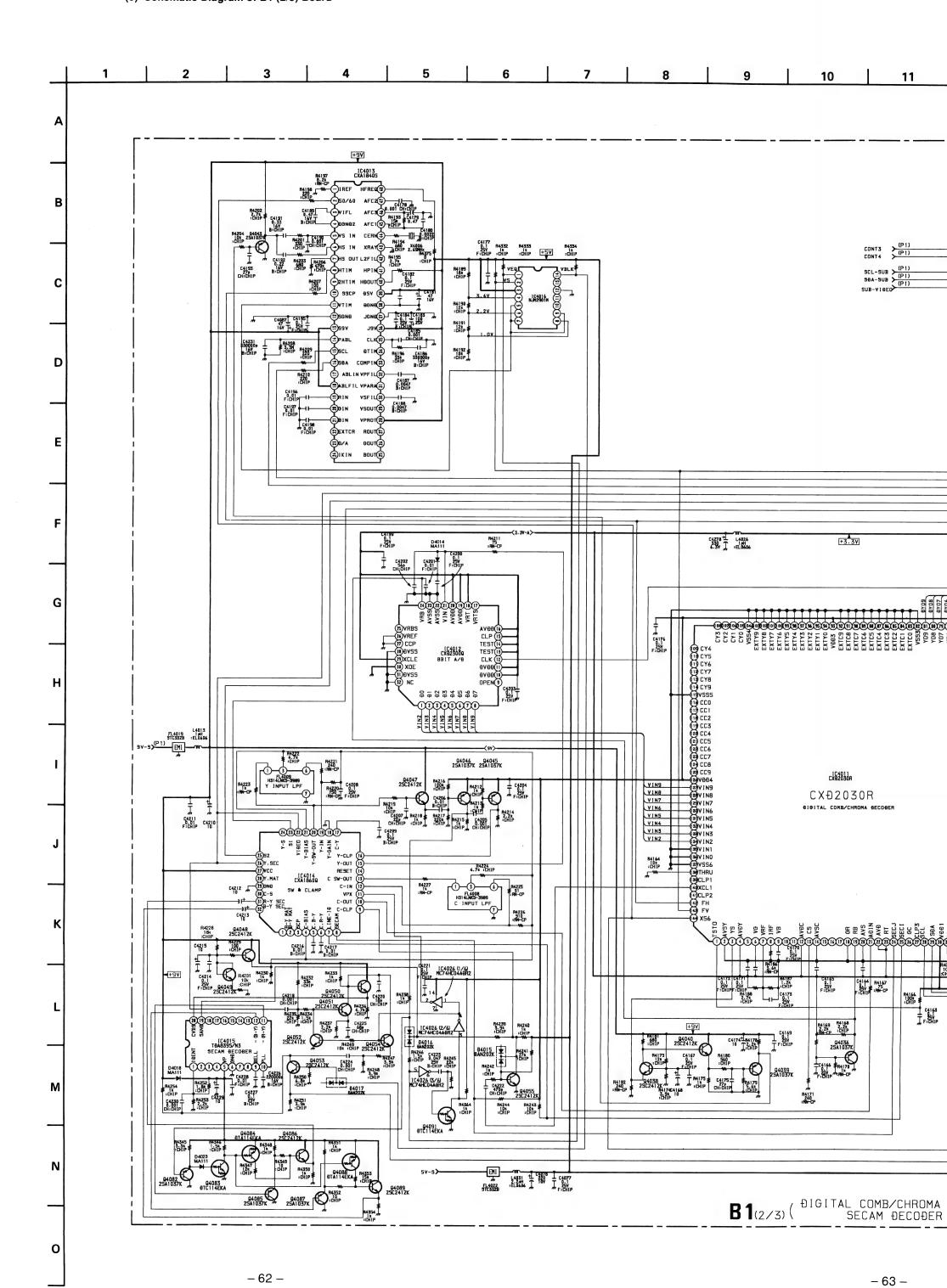


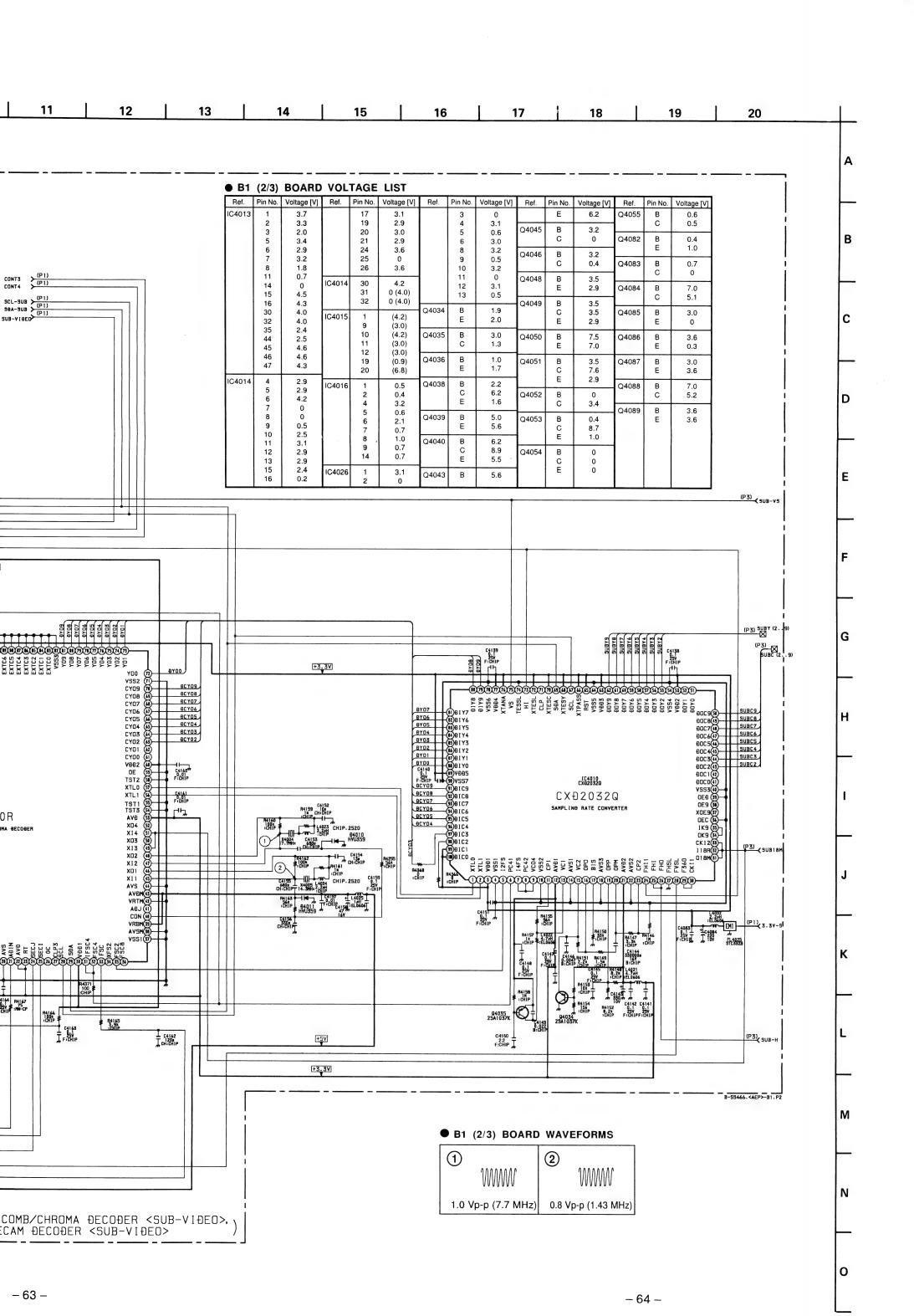


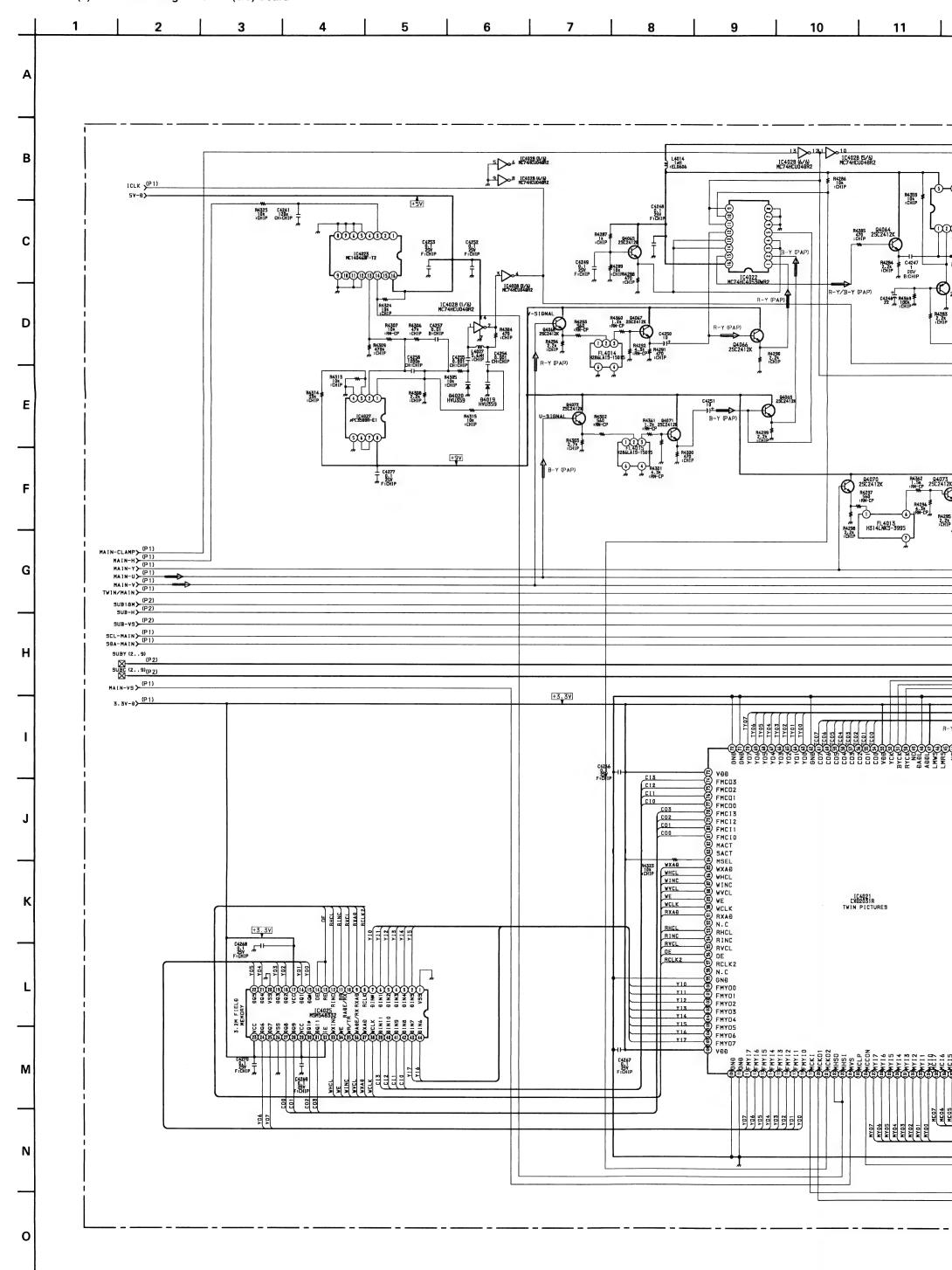


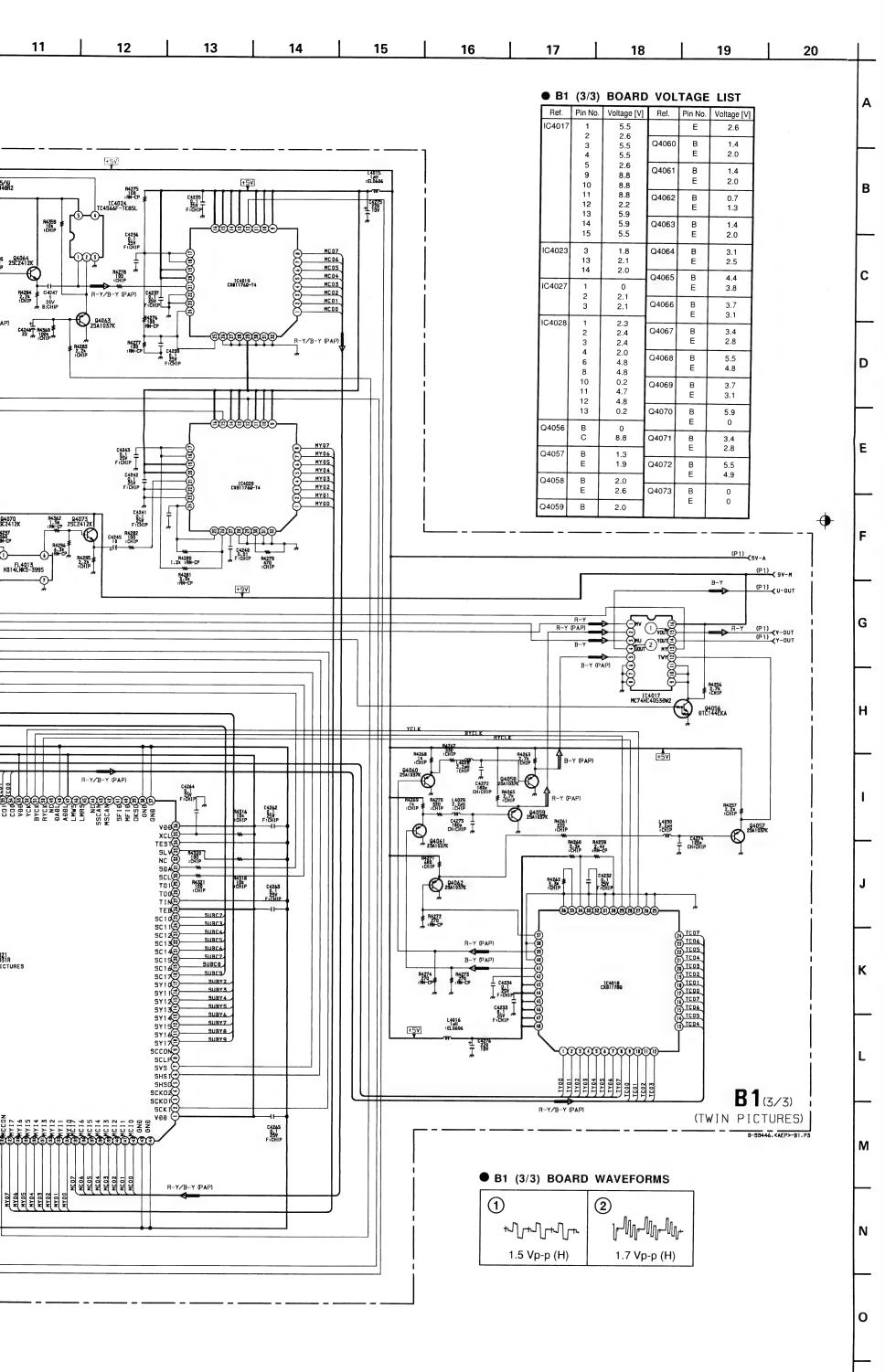






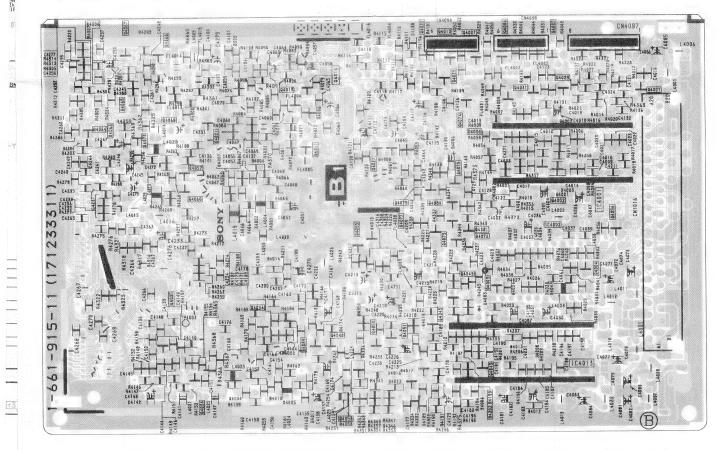






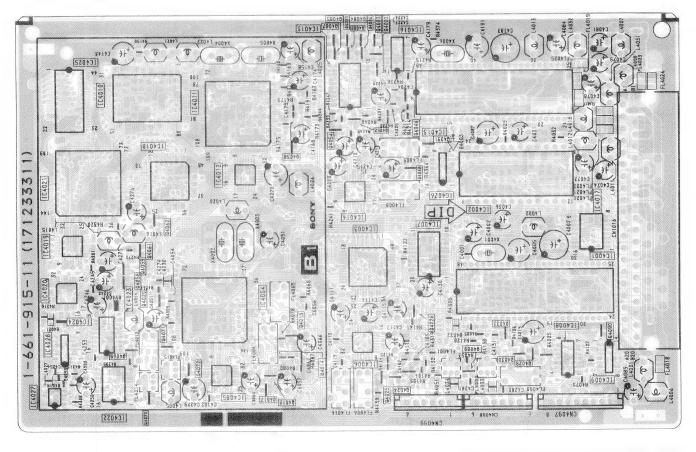
- B1 Board (Conductor Side) -

CON OLLE



- : Pattern from the side which enables seeing.
  : Pattern of the rear side.

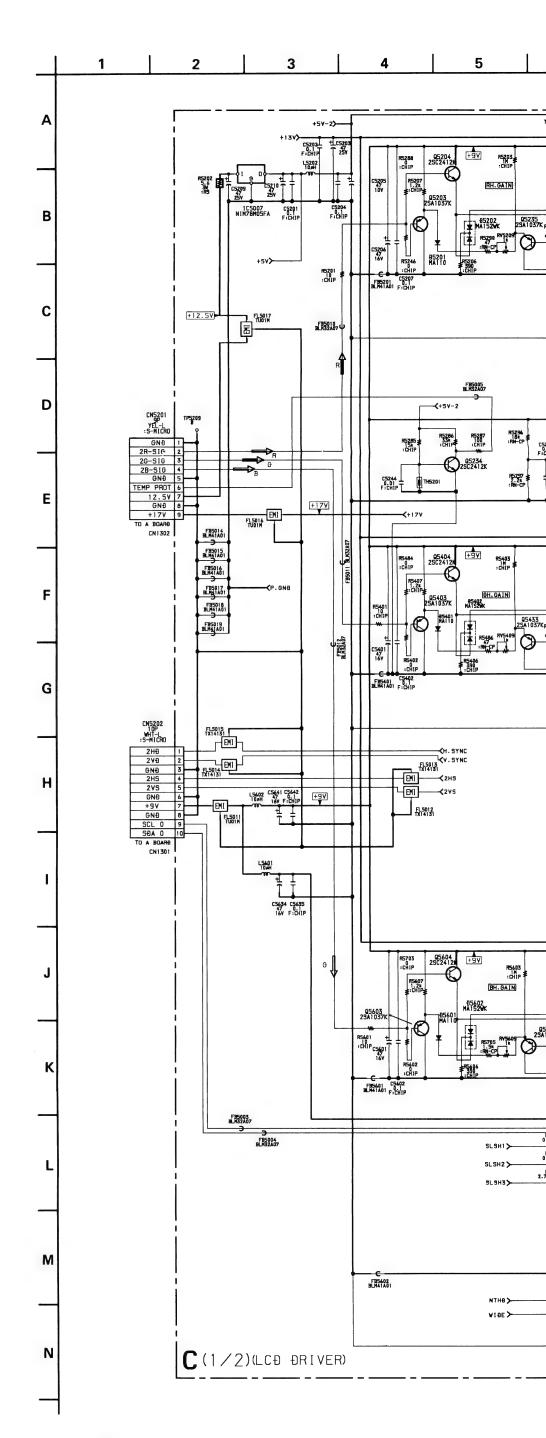
## - B1 Board (Component Side) -



- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

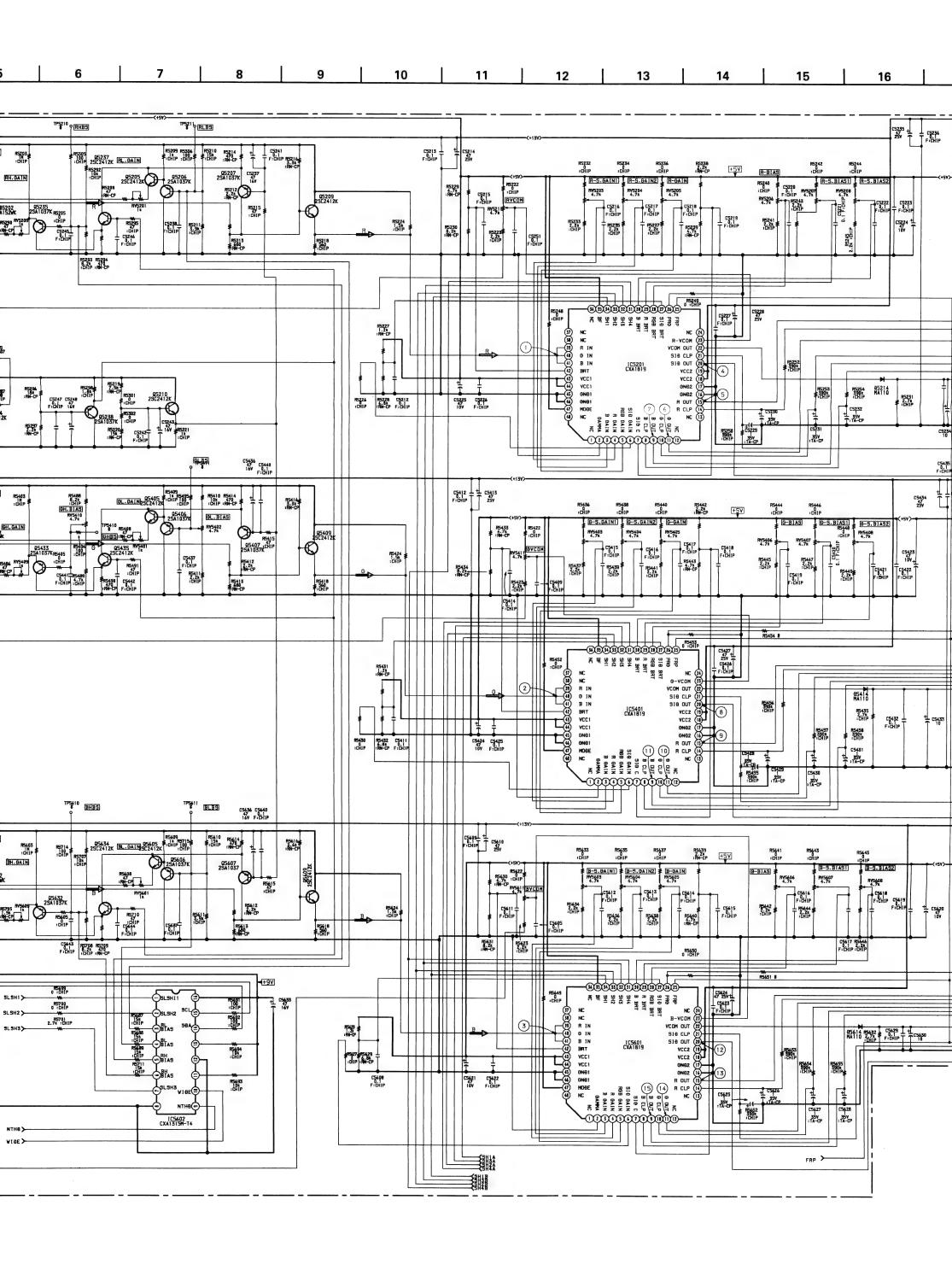
● C (1/2) BOARD VOL <sup>-</sup>	TAGE LIST

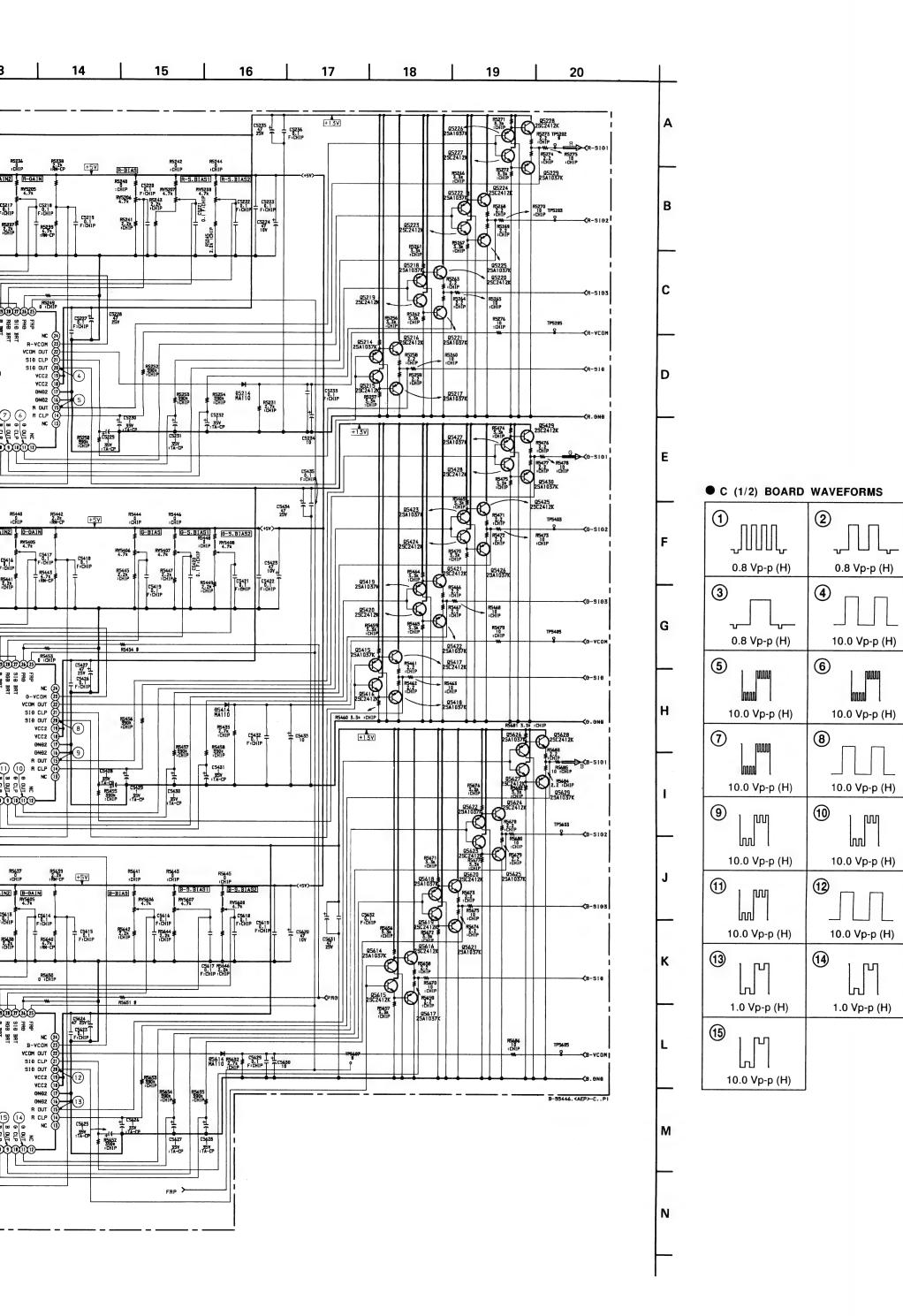
Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]
IC5007	0	11.4 5.0		14 15	4.5 4.5	Q5419	B E	7.1 7.7
IC5201	2	0	Q5203	B E	2.2 2.8	Q5420	B E	7.1 6.5
	4 5 6	3.1 0 0	Q5204	B E	2.2 1.9	Q5421	B E	7.7 7.1
	7 8	7.0 7.0	Q5205	B C	3.0	Q5422	B E	6.5 0
	9 10 11	7.0 7.0 0	Q5206	E B	2.4	Q5423	B E	7.1 7.7
	14 15	7.0 7.0	Q3206	C	0 3.0	Q5424	В	7.1
	20 21 22	7.0 7.0 7.0	Q5207	B C	5.2 3.1	Q5425	E B	6.5 7.7
	23 25	2.8 2.3	Q5209	E B	5.9 3.1	Q5426	E B	7.1 6.5
	γ26 27 28	0 4.2 0	<b>Q</b> 5265	C E	8.9 2.6	, Q5427	E B	7.1 7.1
	29 30	3.7 3.2 1.7	Q5210	B E	5.9 5.2	Q5428	E	7.7
	31 32 33	4.6 1.7	Q5214	B E	7.0 7.6		E	6.5
	34 39	1.7 2.6	Q5215	В	7.0	Q5429	B E	7.7 7.1
	40 41 42	2.6 2.6 3.2	Q5216	E B	7.6	Q5430	B E	6.4 7.1
IC5401	47 2	4.9 0	Q5217	E B	7.0 6.4	Q5433	ВС	3.0 1.0
	3 4	3.2 3.2	Q5218	E B	7.0 7.0	Q5435	В	1.7
	5 6 7	4.1 0 3.2	Q5219	E B	7.0		C E	5.9 1.0
	8 9	7.1 7.1		E	0	Q5603	B E	2.2 2.8
	10 11 14	6.9 7.1 7.1	Q5220	B E	7.6 7.0	Q5604	B E	2.1 1.9
	15 20	7.1 7.1	Q5221	B E	6.2 0	Q5605	B C	2.9 5.9
	21 22 23	7.1 7.2 3.0	Q5222	B E	7.0 7.6	Q5606	E B	2.3
	25 26	2.3 0	Q5223	B E	0 6.4		E	2.9
	27 28 29	4.2 4.3 3.7	Q5224	B E	7.6 7.0	Q5607	B C E	5.2 0 5.9
	30 31 32	3.9 1.7 1.7	Q5225	B E	6.4 7.0	Q5609	B E	2.9 2.6
	33 34	1.7 4.6	Q5226	B E	7.0 0	Q5614	B E	6.8 7.4
	39 40 41	2.6 2.6 2.6	Q5227	B	7.0	Q5615	B	6.8 6.2
	42 47	3.2 0	Q5228		7.6 0	Q5616	B E	7.4 6.8
IC5601	2	0 3.2	Q5229	В	6.4	Q5617	В	6.2
	4 5 6	3.2 3.9 0	Q5234	B	0.7	Q5618	В	6.8
	7 8	0 6.8		C E	0	Q5619	В	6.8
	9 10 11	6.8 6.6 6.8	Q5235	С	5.0 1.0	Q5620	E B	7.4 7.4
	14 15	6.8 6.8	Q5237	В	1.7	Q5621	E	6.8
	20 21 22	6.8 6.8 6.6		C E	5.9 1.0		E	6.2 6.8
	23 25 26	2.4 2.3 0	Q5238	B E	1.0 1.7	Q5622	B E	6.8 6.2
	27 28	4.2 4.2	Q5403	B E	2.2 2.9	Q5623	B E	6.8 6.2
	29 30 31	3.5 3.3 1.7	Q5404	B E	2.2 0	Q5624	B E	7.4 6.8
	32 33	4.6 1.7	Q5405	B C	3.1 5.9	Q5625	B E	6.2 6.8
	34 39 40	1.7 0 0	Q5406	E	2.4	Q5626	B E	6.8 7.7
	41 42	0 3.2		E	3.1	Q5627	B E	6.8 6.2
IC5602	1	5.9 0.2	Q5407	B C E	5.2 3.0 5.9	Q5628	В	7.4
	2	0.2 4.4	Q5409	<del> </del>	3.0 2.7	Q5629	В	6.8
	5 6	4.0 8.5 8.5	Q5415	-	0 7.7	Q5632	E B	6.8 5.0
	7 8	0.4	Q5416	В	7.1		C E	1.0 5.0
	9 10 11	0 0 8.9	Q5418	E B	6.5	Q5634	С	1.7 5.9
	12 13	0 8.9		E	7.1		E	1.0
-							-	



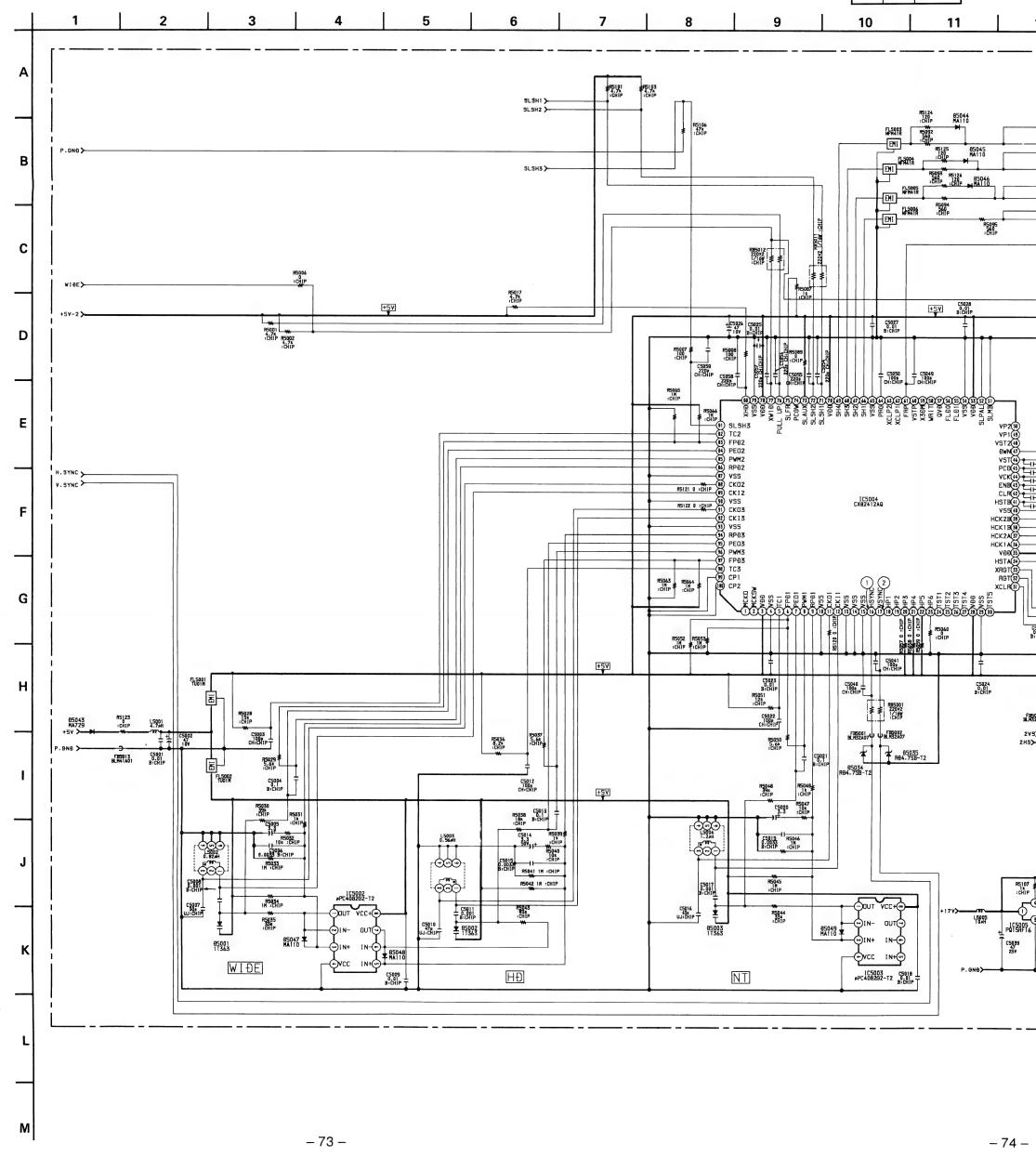
Schematic diagram

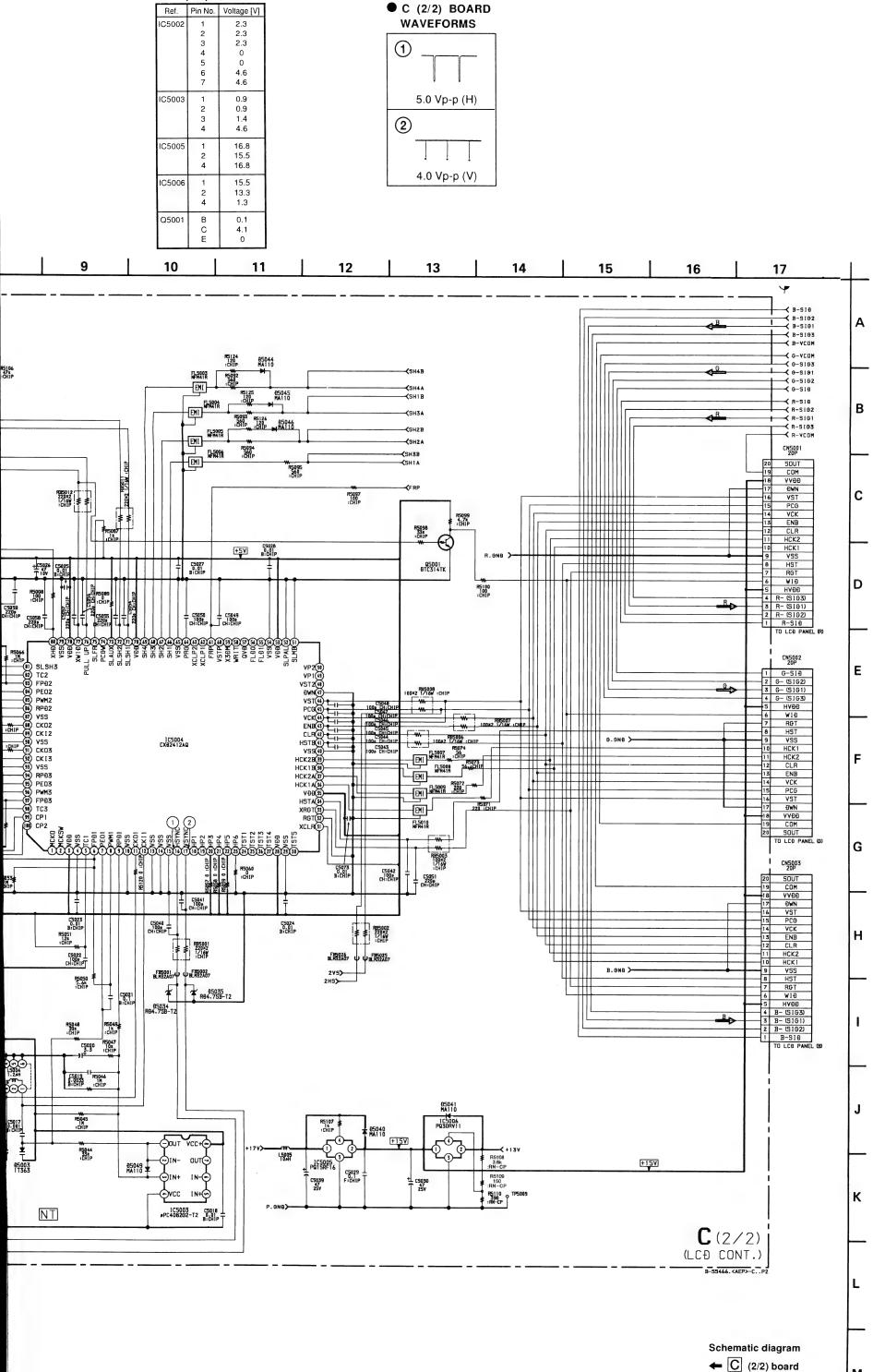
← B<sub>1</sub> (3/3) board





	, ,	
Ref.	Pin No.	Voltage [V]
IC5002	1 2 3 4 5 6 7	2.3 2.3 2.3 0 0 4.6 4.6
IC5003	1 2 3 4	0.9 0.9 1.4 4.6
IC5005	1 2 4	16.8 15.5 16.8
IC5006	1 2 4	15.5 13.3 1.3
Q5001	B C E	0.1 4.1 0

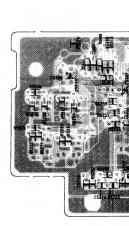




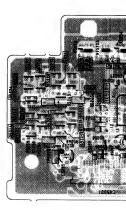
• C (2/2) BOARD VOLTAGE LIST

— C Board (Conduc





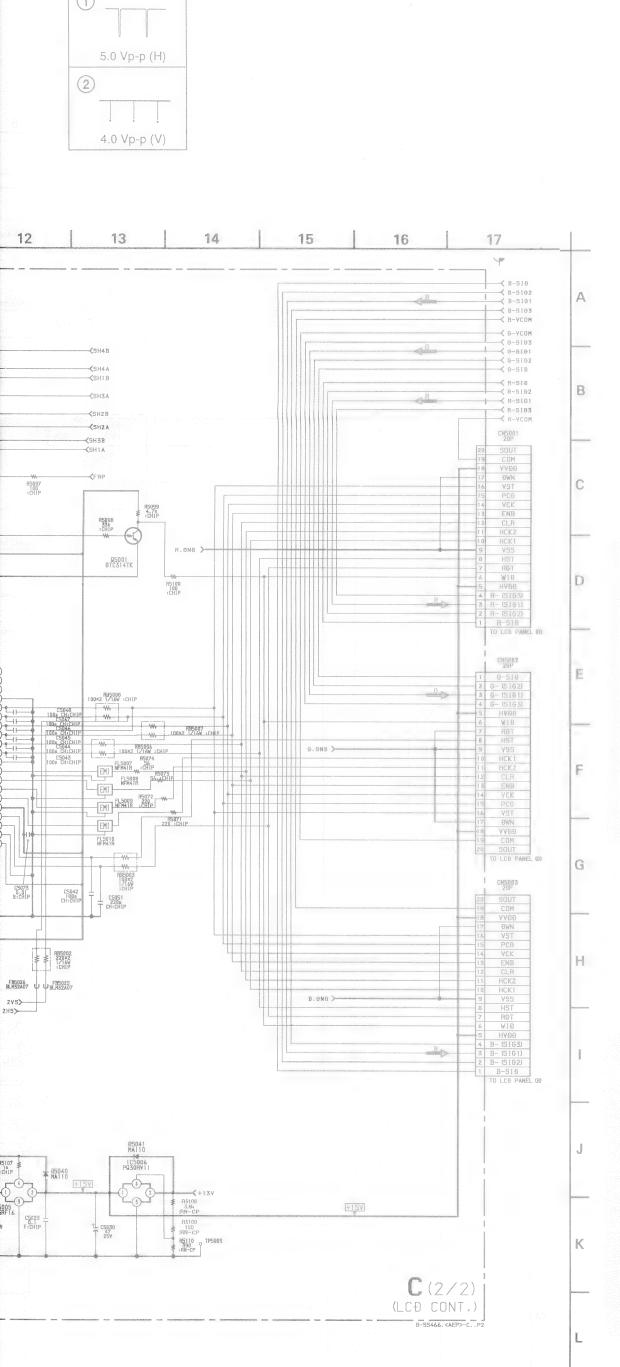
— C Board (Compo

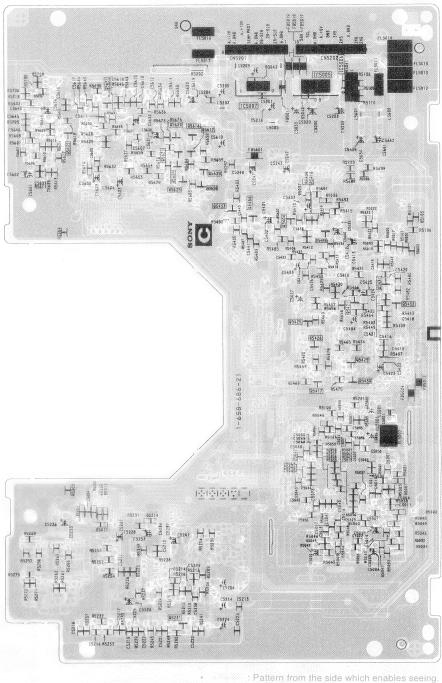




M

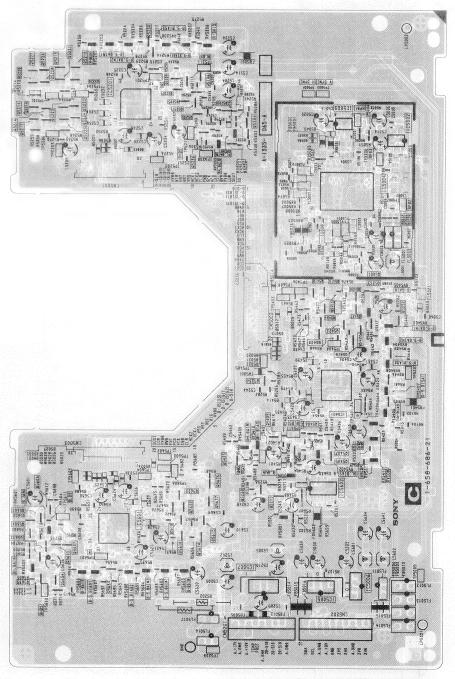
C (2/2) BOARD WAVEFORMS





: Pattern from the side which enables seeir : Pattern of the rear side.





: Pattern from the side which enables seeing

: Pattern of the rear side.

Schematic diagram

BB (1/3) board

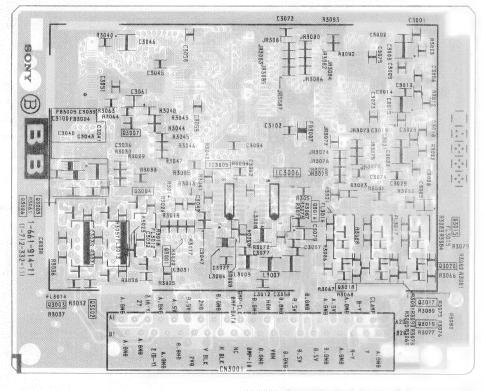
Schematic diagram

**←** C (2/2) board

M

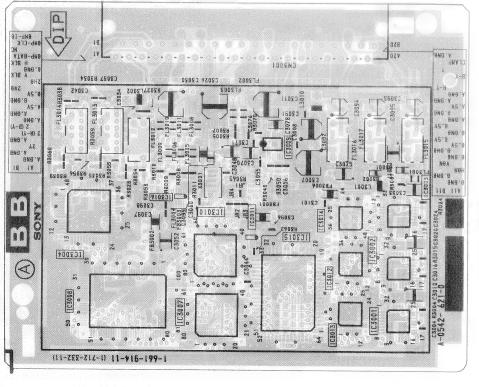
A/D CONV., D/A CONV. "ASPECT RATIO" CONV. MEMORY BLOCK

## - BB Board (Conductor Side) -



- Pattern of the rear side.

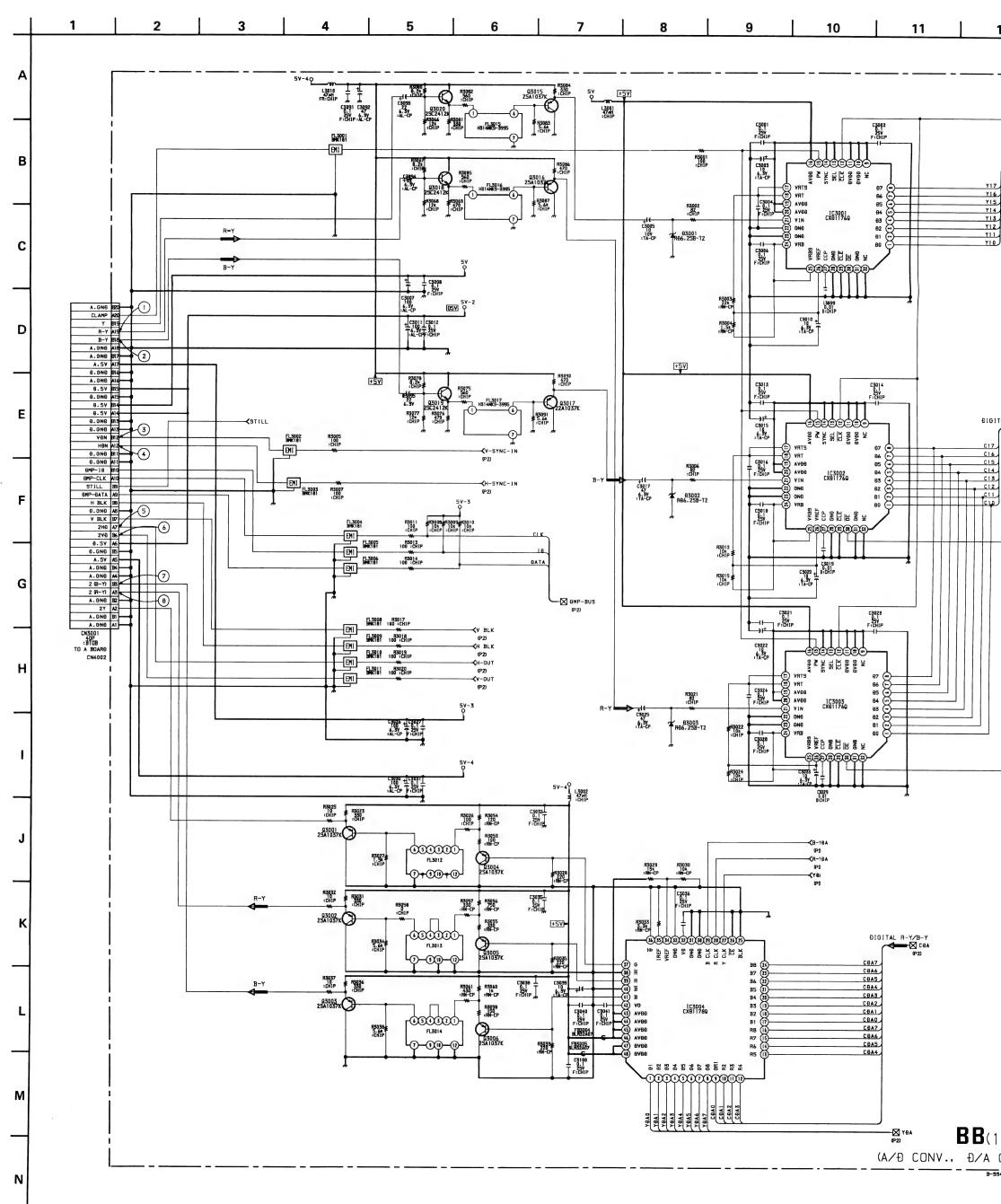
## - BB Board (Component Side) -

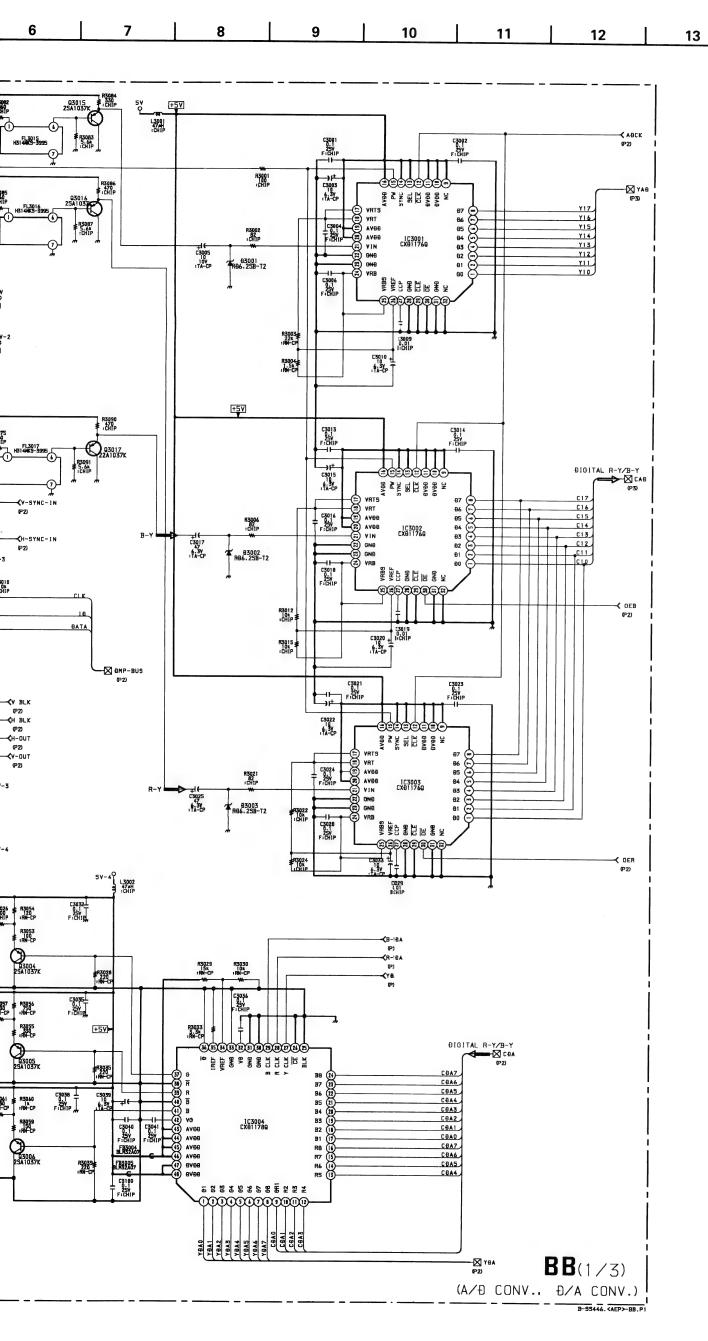


- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

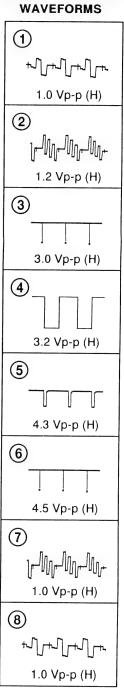
3 5 A C3091 C3092 0.1 47 25V 6.3V F:CHIP:AL-CP Q3020 2SC2412N R3066 12k 12k FL3001 [BII] B C B-Y D Para Escr -<STILL FL3002 BMK181 R3005 100 :CHIP -EMI] R5007 100 :CHIP R3013 100 : CHIP FL3005 BMK181 -EMI) R3014 100 :CHIP FL3006 BMK181 EMI G FL3008 R3017 BMK181 100 1CHIP FL3009 R3018 BMK181 100 :CHIP -EMI H -[11] L3030 4 C3031 R3023 R3026 # R3054 100 # 120 :CHIP :RN-CP 25A1037K H3053 100 :RN-CP 93004 25A1037K 7+00+0J R3031 330 1CHIP 29A1037K R3055 188-CP K 03005 25A1037K FL3013 7-11-R3037 10 # R3036 :CHIP 330 (CHIP 25Å1037k R3859 150 ≠ 180-CP 8 r (0000000) FL3014 7 9 10 12 M N

**−** 76 **−** 



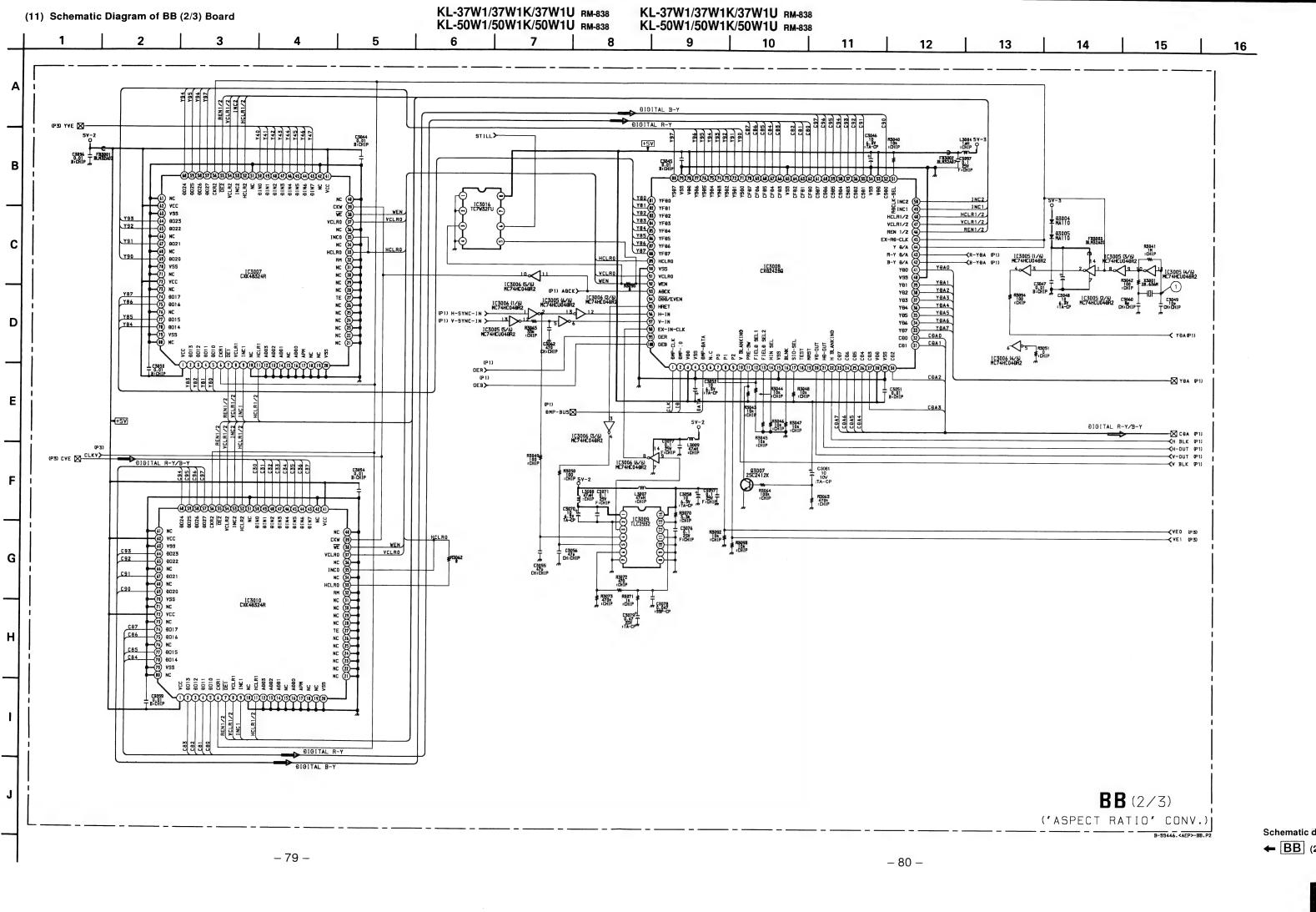


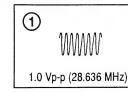
# BB (1/3) BOARD



● BB (1/3) BOARD VOLTAGE LIST

Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]
IC3001	1	2.1		2	2.7		21	3.0
	2	2.7		22	3.0			
	3	3.4				1	23	2.8
	4	3.1	l	5			24	1.8
	5	3.2					27	2.3
	6	3.2					28	2.5
	7	3.1					29	2.9
	8	1.7				l	32	1.1
	12	2.3					34	0
	15	3.2					35	2.0
	17	2.5					37	0.5
	18	2.5					39	1.0
	21	1.5					41	1.0
	24	0.5					42	3.1
	25	0.5				00004		
	26	0				Q3001	В	2.6
	27	2.5		30	2.6		Е	3.2
	30	2.6	IC3004	1	1.8	Q3002	В	1.8
C3002	1	2.1		2			Е	2.4
	2	2.7			2.0	02002	-	1.0
	3	3.4				Q3003	B E	1.8 2.5
	4	3.1		5				2.5
	5	3.2				Q3004	В	0.5
	6	3.2					E	1.2
	7	3.1						
	8	1.7				Q3005	В	1.0
	12	2.3					E	1.7
l	15	3.2				00000		
	17	2.5				C3006	В	1.0
- 1	18	2.5					E	1.7
ı	21	1.5				O3015	В	2.0
- 1	24	0.5				Q3013	E	1.7
ĺ	25	0.5					L.	1.7
	26	0				Q3020	В	2.8
- 1	27	2.5	1				E	2.2
	30	2.6						
C3003	1	2.1	ļ	20	2.9			





● BB (2/3) BOARD VOLTAGE LIST

<ul><li>BB</li></ul>	(2/3)	BOARD	VOL	TAGE	LIST			
Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]
IC3005	1 2 3 4 5 6 7 8 9 10 11 12 13 14	2.2 2.4 2.3 0.3 4.8 0 2.2 2.2 2.2 2.2 0.3 3.2 4.9		2 5 7 8 9 10 11 12 13 14 16 17 20 21 22	4.9 0.2 4.8 0 0.7 4.9 0 0 4.3 4.8 4.5 0.9	IC3009	86 87 88 91 92 93 95 96 97 98 99	0 0.9 0.5 0 0 1.0 2.3 0 2.4 4.8 2.3 2.6 2.6
IC3006	1 2 3 4 5	1.6 2.5 2.5 2.5 0 4.9		23 24 25 26 27	0 2.9 3.1 3.1 3.0		4 5 6 12 13	2.5 2.5 2.2 2.2 0
	6 7 8 9 10 11 12 13	0 2.3 0 2.2 2.2 2.5 2.5 4.9		30 31 32 33 34 35 36 37 38	3.2 2.7 0.4 0.7 1.2 1.4 2.6 1.6 2.8	IC3010	2 3 4 5 6 7 8 9	1.9 0 1.7 0.1 2.2 0 0
IC3007	2 3 4 5 6 7 8 9 11 33 35 37 38 39 44 45 46 47 48 49 50 52 53 54 55 56 67 69 74 77 77	1.9 0 1.7 0.1 2.2 0 0 0 0 0 1.0 0 0 0 1.6 0 0 0 0 0 0 0 0 0 0 0 0 0		39 41 42 43 44 45 46 47 48 49 50 51 55 56 57 58 60 61 62 63 64 66 67 71 72 73 74 75 80 81 82 83	0 2.0 2.5 2.4 2.2 2.7 0 0 0 0 4.9 0 0 2.0 1.9 1.8 1.0 0.6 2.1 1.8 1.9 1.8 1.0 1.4 1.7 1.5 1.3 1.0 0.6 1.3 1.4 1.7		11 12 13 14 16 17 20 33 35 37 38 39 43 44 45 46 47 48 49 52 53 54 55 56 67 67 77 78	0 0 0 0 0 0 1.0 0 0 1.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
IC3008	78 1	4.9		84 85	1.5 1.3	Q3007	B C	0 4.9

Schematic diagram

← BB (2/3) board



**-** 80 **-**

K/37W1U RM-838

K/50W1U RM-838

IC3005 6/60 HC74HC04BR2

(P1) 8MP-BUS⊠—

R3049 100 ¥ 101P IC3006 (3/6) MC74HC04BR2

# R3050 100 :CHIP 5V-2

C3056 C3056 CHICHIP KL-37W1/37W1K/37W1U RM-838

KL-50W1/50W1K/50W1U RM-838

93007 25C2412K

> R3063 470k :CHIP

DIGITAL B-Y

11

12

HINCZ (3)

## INCZ (4)

## INCZ

CĐAO CĐA1 INC1 HCLR1/2 VCLR1/2 REN1/2 13

15

-\(\) C&A \(\P1\)
-\(\H) BLK \(\P1\)
-\(\H) -\(\U) \(\P1\)
-\(\V) -\(\U) \(\P1\)
-\(\V) BLK \(\P1\)

DIGITAL R-Y/B-Y

16

14

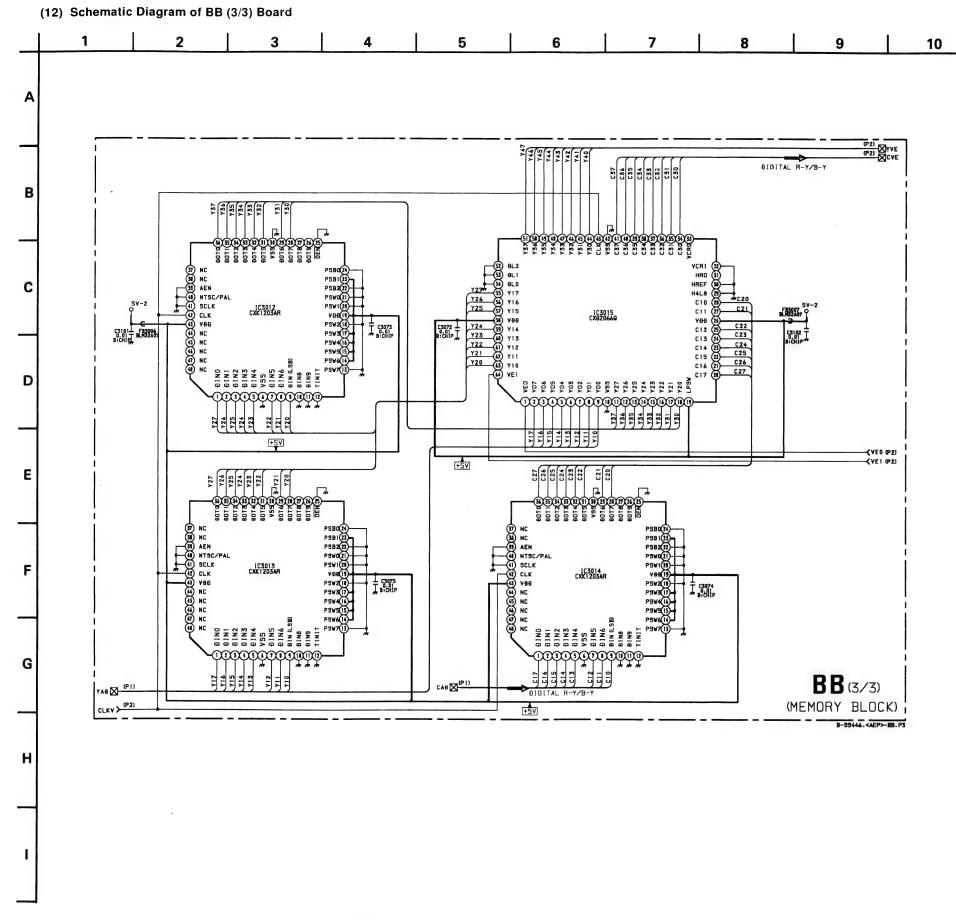
概的

103005 (1/6) HC74HCU048R2

**–** 81 **–** 

Schematic diagram

BB (3/3) board →

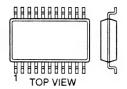


● BB (3/3) BOARD VOLTAGE LIST

Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]
IC3012	1	1.7	IC3014	1	1.7		21	3.1
	2	3.0		2	3.0		22	3.3
	2 3	3.2		3	3.2		23	*
	4	3.2		4	3.2		24	3.2
	4 5 7	3.1		5 7	3.1		25	3.6
	7	3.0			3.6		27	3.0
	8	2.8		8	2.8		28	2.4
	9	2.9		9	2.9		34	2.5
	28	2.4		28	2.4		35	2.9
	29	3.0		29	3.0		36	3.6
	31	3.6		31	3.6		37	3.1
	32	3.2		32	3.2		38	3.3
	33	3.3		33	3.3		39	3.3
	34	3.3		34	3.3		40	3.0
	35	3.1		35	3.1		41	1.6
	36	1.6		36	1.6		43	2.3
	42	2.3		42	2.3		44	2.1
IC3013	1	1.7	IC3015	1	0		45	2.2
103013		3.0	103013		0.8		46	2.4
	2 3 4 5 7 8 9	3.2		2 3 4	1.5		47	2.2
	1	3.2		4	1.6		48	1.5
	5	3.1			1.5		49	1.6
	7	3.6		5 6	2.3		50	1.4
	8	2.8		7	2.4		51	0.8
	9	2.9		8	2.2		55	0.8
	28	2.4		9	2.0		56	0
	29	3.0		11	0.8		57	1.6
	31	3.6		12	1.4		59	*
	32	3.2		13	1.6		60	2.3
	33	3.3		14	1.5		61	2.5
	34	3.3		25	2.3		62	*
	35	3.1		16	2.4		63	2.1
	36	1.6		17	2.3		64	0
	42	2.3		20	1.6			

### 4-5. SEMICONDUCTORS

**BA4558F BA7046F CXA1315M** CXA1875AM-T4 **CXD1176Q** CXD1176Q-T4 CXK1203AR LM2901M MB3793-42PNF MC14046BF MC14046BF-T2 MC74F02M-T2 MC74HCU04DR2 MC74HC04ADR2 MC74HC4053DNR2 NJM2233BM NJM2284M NJM2901M-T2 TC7W32FU TC7W74FU TLC2932IPW μPC358GR-E1 uPC4082G2



#### **CXA1815S**

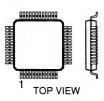


(Top view)

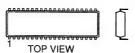
CXA1819Q CXD1178Q CXD1178Q-T6 CXD2309Q-T6



CXA1839Q-T6 CXA1860Q-T4 CXA2011Q CXD2030R CXD2031R-65846GJ015 CXD2031R-65846GJ0153EN CXD2300Q-T4 CXK48324R CXK48324R-1 TDA6812-2MGEG



CXA1840S CXA1855S SDA9086-5 ST24C16CB1 ST24C16FB6 TDA7317 TDA8443B TDA9820 TEA2114



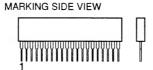
#### CXD2412AQ CXD2032Q-TL CXD2428Q



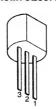
CXD2066Q SAA7283GP



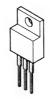
MB81C4256A-70PSZG



#### MC78L05ACPRP NJM78L05A



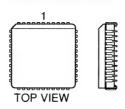
MC7809CT NJM78M05FA NJM78M09FA



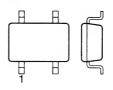
#### PQ05RF21 PQ09RA1 PQ09RF11 PQ15RF16 PQ30RV11



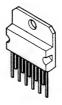
#### SDA30C164-GEG SDA5273P-C26-GEG



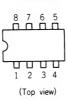
TC4S66F



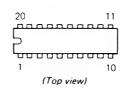
## **TDA2009A**



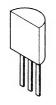
#### TDA2822M TOP210PF1



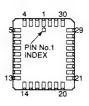
#### TDA8395T/N3



TL431CLP TL431CLP-Z20



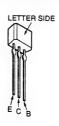
## TMS27PC020-15FMLLE101



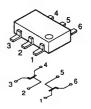
DTA114EKA-T146 DTA124EKA-T146 DTC114EK DTC114EKA-T146 DTC124EKA-T146 DTC144EKA-T146 DTC314TKH04 DTC314TK-T-146 2SA1037K-T-146-R 2SA162-G 2SC-1623-L5L6 2SC2412K-QR 2SC2412K-T-146-QR



DTC114ESA-TP JC501-Q-AMMO JC501TP-Q 2SA933AS-QRT 2SA933AS-RT 2SC2785-HFE



XN4401 XN4401-TX



XN4601 XN4601-TX





2SA1282ATP-EF



2SC4833-M1



2SD2396H



DAN202K DAN202K-T-146 MA152WK-TX STZ6.8T 1SS184



DAP202K DAP202K-T-146



DA204K DA204K-T-146



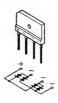
D1NL20-TR EGP10D EGP10DPKG23 S2LA20F 1SS133T-77



D2SBA60F



D4SB60L D4SB60L-F D10SBS4 D10SBS4F RBA-406B



EL1Z MTZJ-T-77-9.1A RGP10GPKG23



HVU359TRF MA111 MA111-TX RD4.7SB RD4.7SB-T2 RD6.2SB RD6.2SB-T2 1SV214 1SV214-TPH3 1T363 1T363-04-T8A



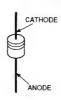
MA3030-H (TX)



MA729 MA729-TX



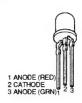
MTZJ-T-77-13B MTZJ-T-77-15B MTZJ-T-77-33C MTZJ-T-77-5.6B MTZJ-13B MTZJ-33C RD15ES-B2 RD30ESB3 RD5.6ESB2 1SS119-25 1SS119-25TD



UF4005PKG23



SPR-54MVW



**TLR124** 

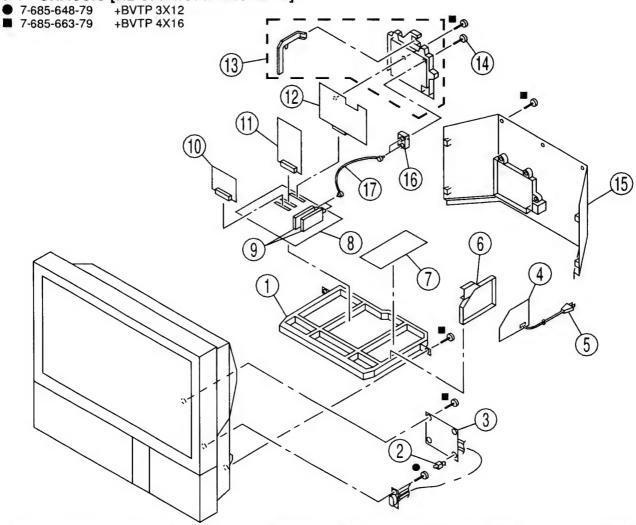


# SECTION 5 EXPLODED VIEWS

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ∆ are critical for safety. Replace only with part number specified.

## 5-1. CHASSIS [KL-37W1/37W1K/37W1U]



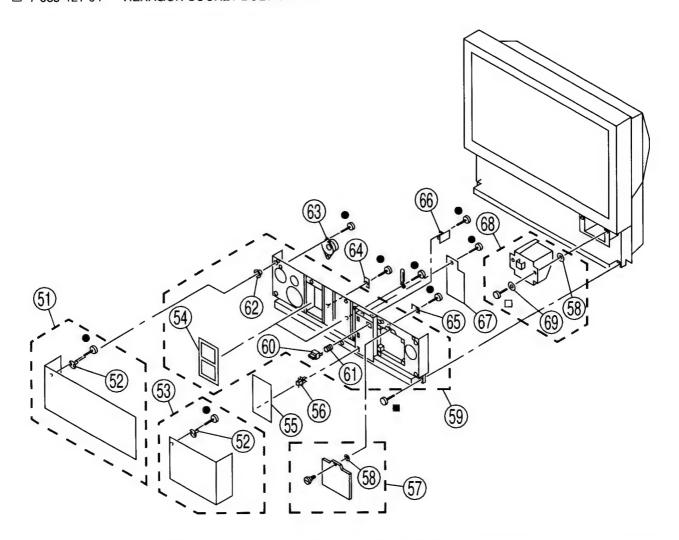
		$\checkmark$					
REF.NO. PAR	T NO.	DESCRIPTION	REMARK	REF.NO	. PART NO.	DESCRIPTION	REMARK
1 *4-054	4-721-01	BRACKET, MAIN		10	* A-1135-870-	A BB BOARD, COMPLETE	
2 *3-703	3-141-00	HOLDER, PCB		11	* A-1135-884-	A B1 BOARD, COMPLETE	
		POWER BLOCK		12	* A-1388-189-	A J BOARD, COMPLETE	
		F2 BOARD, COMPLETE		13		TERMINAL BOARD	
		CORD, POWER 10A/250V	37W1/W1K)	14		SCREW (M3X8), +B	
		<b>****</b>	S	15	X-4033-267-	2 COVER ASSY, REAR	
5 ∆1-776	3-860-11	POWER CORD, FILTER (KL-	37W1LI)	16		BOOSTER, PF	
6 *4-054		BRACKET, F2	J	17	*1-777-539-11		
		G BOARD, COMPLETE		• • • • • • • • • • • • • • • • • • • •	1-777-555-11	OADLE, F-I	
8 * A-12		A BOARD, COMPLETE	300033333333333333333333				
9 ≜1-690	3-340-21	TUNER/VIF					

### 5-2. FRONT COVER [KL-37W1/37W1K/37W1U]

● 7-685-648-79 +BVTP 3X12

■ 7-685-663-79 +BVTP 4X16

☐ 7-683-421-04 HEXAGON SOCKET BOLT 4 X 12



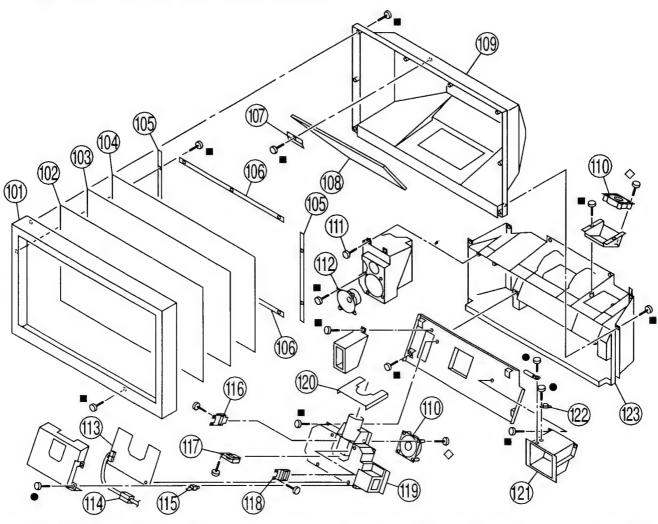
REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
	V 4022 822 1	DANIEL (L) ASSV EDONT	52	60	4-051-285-01	BUTTON, POWER	
51		PANEL (L) ASSY, FRONT	32	61	4-202-964-01		
52	4-054-709-01						
53	X-4033-821-1	PANEL (R) ASSY, FRONT	52	62	* 4-838-438-00	LAICH	
54	4-051-312-01	FILTER		63	1-505-207-11	SPEAKER (5.7CM)	
55		DOOR ASSY (KL-37W1/W1U)		64	* A-1390-622-A	A TB BOARD, COMPLETE	
55	X-4033-819-2	DOOR ASSY (KL-37W1K)		65	* A-1390-621-A	A TA BOARD, COMPLETE	
56	3-703-035-11			66	* A-1241-256-A	F1 BOARD, COMPLETE	
57		DOOR ASSY, LAMP	58	67	* A-1372-259-A	A H BOARD, COMPLETE	
	*3-650-537-00			68		LAMP BLOCK ASSY	58. 59
			54 00 00				00, 00
59	X-4033-825-1	COVER ASSY, FRONT	54, 60-62	69	3-901-261-01	WASHER	

# 5-3. SCREEN MIRROR BLOCK AND OPTICS UNIT [KL-37W1/37W1K/37W1U]

- 7-685-648-79 +BVTP 3X12
- 7-685-663-79 +BVTP 4X16

♦ 7-685-167-19 WASHER HEAD SCREW +P 4 X 35

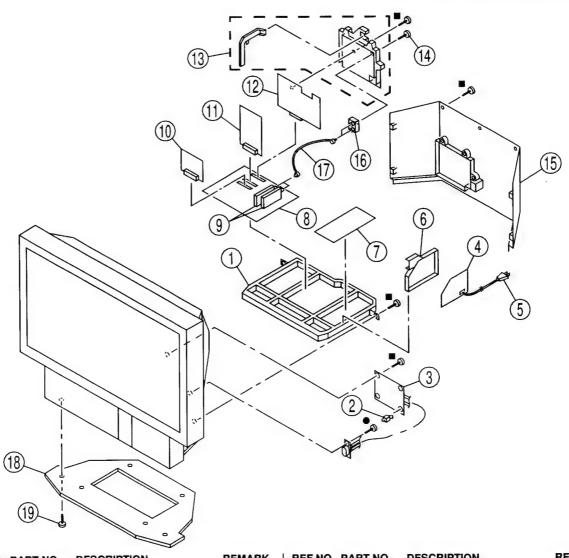
The components identified by shading and mark  $\triangle$  are critical for safety. Replace only with part number specified.



REF.NO	PART NO.	DESCRIPTION	REMARK	REF.NO	. PART NO.	DESCRIPTION	REMARK
101	V 4000 004 4	EDAME ACCV CODEEN					
101		FRAME ASSY, SCREEN	l	113	* A-1335-072-A	C BOARD, COMPLETE	
102		SCREEN, CONTRAST		114		CORE ASSY, BEAD(DIVIS	SION TYPE)
103		PLATE (L), DUFFUSION					SION I II L)
104	4-051-297-11	PLATE (F), DUFFUSION		115	"3-703-141-00	HOLDER, PCB	
105	* 4-049-644-01	HOLDER, SCREEN (S1)					
				116	A-1501-090-A	PANEL BLOCK ASSY (B)	
106	* 4 022 792 02	HOLDER (S), SCREEN		117	A-1501-091-A	PANEL BLOCK ASSY (G)	
				118	A-1501-089-A	PANEL BLOCK ASSY (R)	
107		HOLDER, MIRROR		200000000000000000000000000000000000000		OPTICAL UNIT	
108	4-051-283-01			and the second second second second			
109	X-4033-329-2	COVER ASSY, MIRROR	ŀ	120	4-051-625-11	SHIELD, OPTICAL	
110	1-698-696-11	FAN. DC					
		, = -		121	*4-051-343-01	BASE, LAMP	
111	4 204-006-01	SCREW (4X16), TAPPING, +F	, l	122	A 1-533-746-11	THERMOSTAT	
				123	* X-4033-826-1	CABINET ASSY, BOTTOM	A
112	1-505-208-11	SPEAKER (10CM)	ı	0		32	••

# **5-4. CHASSIS** [**KL-50W1/50W1K/50W1U**] ● 7-685-648-79 +BVTP 3X12 ■ 7-685-663-79 +BVTP 4X16

The components identified by shading and mark  $\triangle$  are critical for safety. Replace only with part number specified.

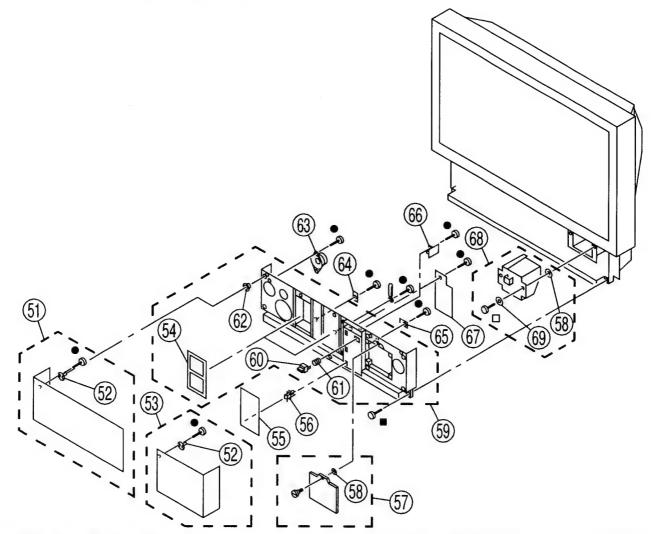


REF.	NO. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
1	* 4-054-721-01	BRACKET, MAIN		10	* A-1135-870-A	A BB BOARD, COMPLETE	
ż		HOLDER, PCB		11	* A-1135-884-A	A B1 BOARD, COMPLETE	
3		POWER BLOCK		12	* A-1388-189-A	A J BOARD, COMPLETE	
4	* A-1241-255-A	A F2 BOARD, COMPLETE		13	4-054-727-01	TERMINAL BOARD	
5	△ 1-765-286-11	CORD, POWER 10A/250V	0W1/50W1K)	14	4-379-611-01	SCREW (M3X8), +B	
400000000000	451411000000000000000000000000000000000	· · · · · · · · · · · · · · · · · · ·		15	X-4033-267-2	COVER ASSY, REAR	
- 5	A 1-776-860-11	POWER CORD, FILTER (UK	()	16	1-251-459-11	BOOSTER, RF	
	ш. г. с с с		(KL-50W1U)	17	* 1-777-539-11	CABLE, PIN	
6	* 4-054-722-01	BRACKET, F2	( An observation of the many)	18	4-055-250-01	PEDESTAL	
7		A G BOARD, COMPLETE		19	4-378-522-01	SCREW, TAPPING, HEXAGO	ON HEAD
8 9	* A-1297-924-/ ▲ 1-693-340-21	A A BOARD, COMPLETE					

### 5-5. FRONT COVER [KL-50W1/50W1K/50W1U]

● 7-685-648-79 +BVTP 3X12 ■ 7-685-663-79 +BVTP 4X16

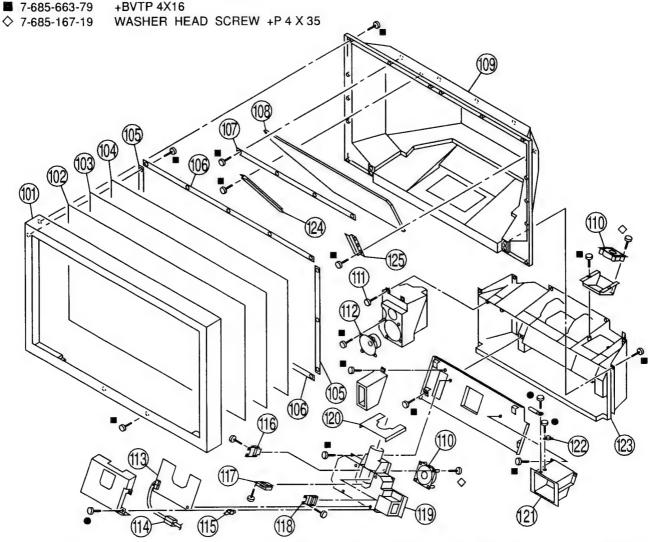
☐ 7-683-421-04 HEXAGON SOCKET BOLT 4 X 12



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
51	Y_4033_823_1	PANEL (L) ASSY, FRONT	52	60	4-051-285-01	BUTTON, POWER	
52	4-054-709-01		52	61	4-202-964-01		
53		PANEL (R) ASSY, FRONT	52		* 4-838-438-00		
54	4-051-312-01		-	63		SPEAKER (5.7CM)	
55	X-4033-819-1	DOOR ASSY (KL-50W1/50W1	U)	64		TB BOARD, COMPLETE	
55	X-4033-819-2	DOOR ASSY (KL-50W1K)		65	* A-1390-621 <i>-A</i>	TA BOARD, COMPLETE	
56	3-703-035-11					F1 BOARD, COMPLETE	
57	X-4033-818-2	DOOR ASSY, LAMP	58			H BOARD, COMPLETE	
	*3-650-537-00	WASHER		68	A-1501-092-A	LAMP BLOCK ASSY	58, 69
59	X-4033-825-1	COVER ASSY, FRONT	54, 60-62	69	3-901-261-01	WASHER	

# 5-6. SCREEN MIRROR BLOCK AND OPTICS UNIT [KL-50W1/50W1K/50W1U]

● 7-685-648-79 +BVTP 3X12 ■ 7-685-663-79 +BVTP 4X16



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NC	D. PART NO.	DESCRIPTION	REMARK
101	X-4033-874-1	FRAME ASSY, SCREEN		114	1-543-653-11	CORE ASSY, BEAD(DIVIS	SION TYPE)
102		SCREEN, CONTRAST		115		HOLDER, PCB	,
103		PLATE (L), DUFFUSION				,	
104		PLATE (F), DUFFUSION		116	A-1501-090-A	PANEL BLOCK ASSY (B)	
	* 4-033-782-02	HOLDER (S), SCREEN		117	A-1501-091-A	PANEL BLOCK ASSY (G)	
				118	A-1501-089-A	PANEL BLOCK ASSY (R)	
106	* 4-055-161-01	HOLDER (50), SCREEN		119	△ 1-473-544-13	OPTICAL UNIT	
107	* 4-037-351-01	HOLDER, MIRROR		120	* 4-051-825-11	SHIELD, OPTICAL	
108	4-055-162-01	MIRROR (50)					
109	X-4033-875-1	COVER ASSY, MIRROR		121	* 4-051-343-01	BASE, LAMP	
110	1-698-696-11	FAN, DC		122	A 1-533-746-11	THERMOSTAT	
				123	* X-4033-826-1	CABINET ASSY, BOTTON	1
111	4-384-096-01	SCREW (4X16), TAPPING, +	P	124	* 4-055-163-01	HOLDER (L), MIRROR	
112		SPEAKER (10CM)		125	* 4-055-164-01	HOLDER (R), MIRROR	
113	* A-1335-079-/	A C BOARD, COMPLETE					



### **SECTION 6 ELECTRICAL PARTS LIST**

NOTE:

The components identified by shading and mark  $\triangle$  are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

· All variable and adjustable resistors have RESISTORS characteristic curve B, unless otherwise • All resistors are in ohms noted.

- F : nonflammable
- · Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

EF.NO	. PART NO.	DESCRIPTION		R	EMARK_	REF.NO	. PART NO.	DESCRIPTION		R	EMAR
	* A-1135-870-A	BB BOARD, COM	PLETE			C3040	1-163-038-00	CERAMIC CHIP	0.1MF		25V
		*******	*****					CERAMIC CHIP			25V
								CERAMIC CHIP		10%	
						03044	1-104-232-11	CENAMIC CHIP	U.UTIVIE	1070	30 V
		_						CERAMIC CHIP		10%	50V
	<capacito< td=""><td><b>R&gt;</b></td><td></td><td></td><td></td><td>C3046</td><td>1-135-157-21</td><td>TANTAL. CHIP</td><td>10MF</td><td>20%</td><td>6.3V</td></capacito<>	<b>R&gt;</b>				C3046	1-135-157-21	TANTAL. CHIP	10MF	20%	6.3V
						C3047	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
		CERAMIC CHIP			25V			TANTAL, CHIP		20%	6.3V
		CERAMIC CHIP			25V	C3049	1-163-227-11	CERAMIC CHIP	10pF	0.5pF	50V
		TANTAL, CHIP		0%	6.3V						
		CERAMIC CHIP			25V	C3050	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
23005	1-104-851-11	TANTAL, CHIP	10MF 2	0%	10V			CERAMIC CHIP		10%	50V
						C3052	1-135-157-21	TANTAL. CHIP	10MF	20%	6.3V
		CERAMIC CHIP			25V	C3054	1-164-232-11	<b>CERAMIC CHIP</b>	0.01MF	10%	50V
	1-126-206-11			0%	6.3V	C3055	1-163-243-11	<b>CERAMIC CHIP</b>	47pF	5%	50V
		CERAMIC CHIP			25V						
		CERAMIC CHIP			50V	C3056	1-163-243-11	<b>CERAMIC CHIP</b>	47pF	5%	50V
23010	1-135-157-21	TANTAL. CHIP	10MF 2	0%	6.3V	C3057	1-163-038-00	<b>CERAMIC CHIP</b>	0.1MF		25V
						C3058	1-135-157-21	TANTAL. CHIP	10MF	20%	6.3V
	1-126-206-11			0%	6.3V	C3059	1-164-232-11	<b>CERAMIC CHIP</b>	0.01MF	10%	50V
		CERAMIC CHIP			25V	C3060	1-163-091-00	<b>CERAMIC CHIP</b>	8pF	0.25pl	= 50V
		CERAMIC CHIP			25V				•		
		CERAMIC CHIP			25V	C3061	1-104-851-11	TANTAL, CHIP	10MF	20%	10V
23015	1-135-157-21	TANTAL, CHIP	10MF 2	0%	6.3V	C3062	1-163-133-00	CERAMIC CHIP	470pF	5%	50V
								TANTAL. CHIP		20%	6.3V
		CERAMIC CHIP			25V	C3071	1-163-038-00	<b>CERAMIC CHIP</b>	0.1MF		25V
		TANTAL, CHIP		0%	6.3V	C3072	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
		CERAMIC CHIP			25V						
		CERAMIC CHIP			50V	C3073	1-164-232-11	<b>CERAMIC CHIP</b>	0.01MF	10%	50V
23020	1-135-157-21	TANTAL, CHIP	10MF 2	0%	6.3V	C3074	1-164-232-11	<b>CERAMIC CHIP</b>	0.01MF	10%	50V
						C3075	1-164-232-11	<b>CERAMIC CHIP</b>	0.01MF	10%	50V
		CERAMIC CHIP			25V	C3076	1-163-038-00	<b>CERAMIC CHIP</b>	0.1MF		25V
		TANTAL. CHIP		0%	6.3V			<b>CERAMIC CHIP</b>			25V
3023	1-163-038-00	CERAMIC CHIP	D.1MF		25V						
		CERAMIC CHIP			25V	C3078	1-104-559-11	FILM CHIP	0.047MF	5%	16V
3025	1-110-569-11	TANTAL, CHIP	47MF 2	0%	6.3V	C3079	1-135-145-11	TANTAL. CHIP	0.47MF	20%	25V
						C3091	1-163-038-00	<b>CERAMIC CHIP</b>	0.1MF		25V
	1-126-206-11			0%	6.3V		1-126-205-11		47MF	20%	6.3V
		CERAMIC CHIP			25V	C3093	1-124-778-00	ELECT	22MF		6.3V
3028	1-163-038-00	CERAMIC CHIP			25V						
		CERAMIC CHIP			50V	C3094	1-124-778-00	ELECT	22MF	20%	6.3V
3030	1-126-206-11	ELECT	100MF 2	0%	6.3V		1-124-778-00		22MF	20%	
								CERAMIC CHIP		10%	
23031	1-163-038-00	CERAMIC CHIP	0.1MF		25V	1		CERAMIC CHIP		. 5 / 5	25V
3032	1-163-038-00	CERAMIC CHIP	0.1MF		25V			CERAMIC CHIP			25V
		TANTAL, CHIP		0%	6.3V	55.00					
3035	1-163-038-00	CERAMIC CHIP	0.1MF		25V	C3101	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
23036	1-163-038-00	CERAMIC CHIP	0.1MF		25V			CERAMIC CHIP		10%	
;3บรธ	1-163-038-00	CERAMIC CHIP	1MF		25V						
		TANTAL, CHIP		Nº/-	6.3V						
	1-100-107-21	LANGE OF THE	101911 2	U /O	U.U ¥	1					



REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO	. PART NO.	DESCRIPTION	V	R	REMARK
<connect< td=""><td>OR&gt;</td><td></td><td>IC3015</td><td>8-752-379-90</td><td>IC CXD2066Q</td><td></td><td></td><td></td></connect<>	OR>		IC3015	8-752-379-90	IC CXD2066Q			
CN3001 1-695-301-1	1 CONNECTOR, BOARD TO	BOARD 40P	IC3016	8-759-082-59	IC TC7W32FU			
<diode></diode>				<chip cond<="" td=""><td>OUCTOR&gt;</td><td></td><td></td><td></td></chip>	OUCTOR>			
D3001 8-719-158-19	9 DIODE RD6.2SB		JR2	1-216-295-00	CONDUCTOR,	CHIP		
D3002 8-719-158-19 D3003 8-719-158-19			JR4	1-216-295-00	CONDUCTOR,	CHIP		
D3004 8-719-404-49	9 DIODE MA111							
D3005 8-719-404-49	9 DIODE MA111			<coil></coil>				
					INDUCTOR CH		47UH	
<ferrite e<="" td=""><td>BEAD&gt;</td><td></td><td></td><td></td><td>INDUCTOR CH</td><td></td><td>47UF</td><td></td></ferrite>	BEAD>				INDUCTOR CH		47UF	
FB3001 1-543-813-2	1 FILTER EMI				INDUCTOR CH		1UH 47UH	
FB3002 1-543-813-2	•				INDUCTOR CH		47UF	
FB3003 1-543-813-2	•		L3006	1-412-031-11	INDUCTOR OF	ir	4/01	1
FB3004 1-543-813-2			13000	1-412-031-11	INDUCTOR CH	ID	47UF	
FB3005 1-543-813-2					INDUCTOR CH		47UF	
1 23003 1-343-013-2	I FILTEN, CIVII		LSUIU	1-412-031-11	INDUCTOR CR	IP.	4/UF	1
FB3006 1-543-813-2	1 FILTER, EMI							
FB3007 1-543-813-2	1 FILTER, EMI			<transisto< td=""><td>)R&gt;</td><td></td><td></td><td></td></transisto<>	)R>			
			Q3001	8-729-216-22	TRANSISTOR 2	SA1162-G		
<filter></filter>			Q3002	8-729-216-22	TRANSISTOR 2	SA1162-G		
			Q3003	8-729-216-22	TRANSISTOR 2	SA1162-G		
FL3001 1-233-512-2	1 FILTER. EMI	ĺ			TRANSISTOR 2			
FL3002 1-233-512-2	*				TRANSISTOR 2			
FL3003 1-233-512-2	•		40000	0 720 210 22		.0/11102 G		
FL3004 1-233-512-2			03006	8-720-216-22	TRANSISTOR 2	SA1162 G		
FL3005 1-233-512-2							חר	
FL3003 1-233-312-2	I FILTEN, EIVII				TRANSISTOR 2		λH	
EL 0000 4 000 E40 0	4 EU TED EM				TRANSISTOR 2			
FL3006 1-233-512-2	•				TRANSISTOR 2			
FL3008 1-233-512-2	· · · · · · · · · · · · · · · · · · ·		Q3017	8-729-216-22	TRANSISTOR 2	SA1162-G		
FL3009 1-233-512-2	· ·		_					
FL3010 1-233-512-2					TRANSISTOR 2			
FL3011 1-233-512-2	1 FILTER, EMI				TRANSISTOR 2			
EL 2010 1 000 440 1	FILTER LOWBACC		Q3020	8-729-920-74	TRANSISTOR 2	SC2412K-0	ΩR	
	1 FILTER, LOW PASS 1 FILTER, LOW PASS							
	1 FILTER, LOW PASS			<resistor></resistor>	•			
	1 FILTER, LOW PASS							
FL3016 1-233-435-1	1 FILTER, LOW PASS				METAL GLAZE		5%	1/10W
El 60 (E. )					METAL GLAZE			1/10W
FL30171-233-435-1	1 FILTER, LOW PASS				METAL CHIP	22K		61/ <b>10W</b>
					METAL CHIP	1.5K		61/ <b>10W</b>
.10			R3005	1-216-025-00	METAL GLAZE	100	5%	1/10W
<ic></ic>			Danne	1 216 022 00	METAL OLAZE	00	50/	4/40144
102004 0 750 007 0	4 10 0VD44700				METAL GLAZE		5%	1/10W
IC3001 8-752-337-04					METAL GLAZE		5%	1/10W
IC3002 8-752-337-04					METAL GLAZE		5%	1/10W
IC3003 8-752-337-04					METAL GLAZE		5%	1/10W
IC3004 8-752-338-46			R3010	1-216-073-00	METAL GLAZE	10K	5%	1/10W
IC3005 8-759-398-16	6 IC MC74HCU04DR2							
100000 0					METAL GLAZE		5%	1/10W
	7 IC MC74HC04ADR2				METAL GLAZE		5%	1/10W
IC3007 8-752-365-06					METAL GLAZE		5%	1/10W
IC3008 8-752-377-13			R3014	1-216-025-00	METAL GLAZE	100	5%	1/10W
IC3009 8-759-295-09	9 IC TLC2932IPW				METAL GLAZE		5%	1/10W
IC3010 8-752-365-06	6 IC CXK48324R-1							
			R3017	1-216-025-00	METAL GLAZE	100	5%	1/10W
IC3011 8-759-083-94	IC TC7W74FU		R3018	1-216-025-00	METAL GLAZE	100	5%	1/10W
IC3012 8-752-360-44	IC CXK1203AR		R3019	1-216-025-00	METAL GLAZE	100	5%	1/10W
IC3013 8-752-360-44	IC CXK1203AR				METAL GLAZE		5%	1/10W
IC3014 8-752-360-44					METAL GLAZE		5%	1/10W
- / 0- 000 1		1					3,0	77 1011



REF.NO.	PART NO.	DESCRIPTION		RE	EMARK	REF.NO.	PART NO.	DESCRIPTION	1	R	EMARK
B3022	1-216-073-00	METAL GLAZE	10K	5%	1/10W	B3082	1-216-043-91	METAL GLAZE	560	5%	1/10W
		METAL GLAZE			1/10W			METAL GLAZE		5%	1/10W
		METAL GLAZE			1/10W			METAL GLAZE		5%	1/10W
		METAL GLAZE			1/10W			METAL GLAZE		5%	1/10W
		METAL GLAZE			1/10W	13003	1-210-043-31	METAL GLAZE	360	370	1/1044
H3026	1-210-025-00	METAL GLAZE	100	376	1/1044	B3086	1-216-041-00	METAL GLAZE	470	5%	1/10W
B3027	1-216-053-00	METAL GLAZE	1 5K	5%	1/10W	1		METAL GLAZE		5%	1/10W
		METAL CHIP	220		1/10W			METAL GLAZE		5%	1/10W
_		METAL CHIP	15K		1/10W			METAL GLAZE		5%	1/10W
		METAL CHIP	10K		1/10W	1		METAL GLAZE		5%	1/10W
		METAL GLAZE			1/10W	113032	1-210-075-00	WILLIAL GLAZE	IOIX	J /6	1/1044
110001	1-210-037-00	WIL TAL GLAZE	330	3 76	1/1011	B3093	1-216-073-00	METAL GLAZE	10K	5%	1/10W
B3032	1-216-001-00	METAL GLAZE	10	5%	1/10W			METAL GLAZE		5%	1/10W
		METAL CHIP	3.3K		1/10W					0.0	.,
		METAL GLAZE			1/10W						
		METAL CHIP	220		1/10W		<crystal></crystal>				
		METAL GLAZE			1/10W	_	(OIIIOIIIE)				
110000	1 210 007 00	WE THE GENEE	000	0 70	17 1011	X3001	1-579-619-23	VIBRATOR, CR	YSTAL		
B3037	1-216-001-00	METAL GLAZE	10	5%	1/10W	1	. 0, 0 0, 0 20	11211111011, 011			
		METAL GLAZE			1/10W						
		METAL CHIP	220		1/10W						
		METAL GLAZE			1/10W	********	*******	******	*******	*****	******
		METAL GLAZE			1/10W						
110041	1 200 040 11	WE THE GENEE	1101	0 /0	171011		A-1135-884-A	B1 BOARD, CO	MPI ETE		
B3042	1-216-025-00	METAL GLAZE	100	5%	1/10W			***********			
		METAL GLAZE			1/10W						
R3044	1-216-073-00	METAL GLAZE	10K		1/10W		4-380-698-01	CASE (MAIN), S	HIELD A1		
		METAL GLAZE			1/10W	i i	4 000 000 01	O/102 (W//1117), C	THEED, AT		
		METAL GLAZE		5%	1/10W						
710040	121007000	ME ME OBIEL	1010	0 70	171011		<capacitor< td=""><td>3&gt;</td><td></td><td></td><td></td></capacitor<>	3>			
B3047	1-216-073-00	METAL GLAZE	10K	5%	1/10W		10/11/10/10				
		METAL GLAZE			1/10W	C4001	1-163-275-11	CERAMIC CHIP	0.001MF	5%	50V
		METAL GLAZE			1/10W		1-124-902-00		0.47MF	20%	
		METAL GLAZE			1/10W			CERAMIC CHIP			
		CONDUCTOR,		0,0	1, 1011			CERAMIC CHIP		1070	25V
110001	. 2.0 200 00	oone oo i oin,	·				1-126-967-11		47MF	20%	_
R3053	1-216-627-11	METAL CHIP	100	0.50%	1/10W						
		METAL CHIP	120	0.50%	1/10W	C4006	1-163-038-00	CERAMIC CHIP	0.1MF		25V
		METAL CHIP	330	0.50%	1/10W		1-104-665-11		100MF	20%	25V
R3056	1-216-648-11	METAL CHIP	750	0.50%	1/10W	C4008	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
		METAL CHIP	330		1/10W			CERAMIC CHIP		10%	
								CERAMIC CHIP			_
R3058	1-216-295-00	CONDUCTOR,	CHIP								
R3059	1-216-631-11	METAL CHIP	150	0.50%	51/10W	C4011	1-163-017-00	<b>CERAMIC CHIP</b>	0.0047MF	10%	50V
R3060	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	C4012	1-164-005-11	<b>CERAMIC CHIP</b>	0.47MF		25V
R3061	1-216-642-11	METAL CHIP	430	0.50%	1/10W	C4013	1-163-275-11	<b>CERAMIC CHIP</b>	0.001MF	5%	50V
R3063	1-216-113-00	METAL GLAZE	470K	5%	1/10W	C4014	1-110-501-11	<b>CERAMIC CHIP</b>	0.33MF	10%	16V
						C4015	1-164-489-11	<b>CERAMIC CHIP</b>	0.22MF	10%	16V
R3064	1-216-097-00	METAL GLAZE	100K	5%	1/10W						
R3065	1-216-085-00	METAL GLAZE	33K	5%	1/10W	C4016	1-163-237-11	<b>CERAMIC CHIP</b>	27pF	5%	50V
R3066	1-216-075-00	METAL GLAZE	12K	5%	1/10W	C4017	1-164-232-11	<b>CERAMIC CHIP</b>	0.01MF	10%	50V
R3067	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W	C4018	1-163-038-00	<b>CERAMIC CHIP</b>	0.1MF		25V
R3068	1-216-075-00	METAL GLAZE	12K	5%	1/10W	C4019	1-126-967-11	ELECT	47MF	20%	16V
						C4020	1-110-501-11	<b>CERAMIC CHIP</b>	0.33MF	10%	16V
R3069	1-216-041-00	METAL GLAZE	470	5%	1/10W						
R3070	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	C4021	1-163-031-11	<b>CERAMIC CHIP</b>	0.01MF		50V
R3071	1-216-049-00	METAL GLAZE	1K	5%	1/10W	C4022	1-163-031-11	<b>CERAMIC CHIP</b>	0.01MF		50V
		METAL GLAZE			1/10W			<b>CERAMIC CHIP</b>			50V
R3073	1-216-113-00	METAL GLAZE	470K	5%	1/10W	C4024	1-163-038-00	CERAMIC CHIP	0.1MF		25V
						C4029	1-163-038-00	CERAMIC CHIP	0.1MF		25V
		METAL GLAZE			1/10W						
		METAL GLAZE		5%	1/10W			CERAMIC CHIP	0.1MF		25V
R3077	1-216-075-00	METAL GLAZE	12K	5%	1/10W	C4031	1-126-964-11	ELECT	10MF	20%	50V
R3078	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W	C4032	1-164-004-11	CERAMIC CHIP	0.1MF	10%	
R3080	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W	1		CERAMIC CHIP		10%	
_						C4034	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
R3081	1-216-037-00	METAL GLAZE	330	5%	1/10W						



REF.NO.	PART NO.	DESCRIPTION		R	EMARK	REF.NO	PART NO.	DESCRIPTION	<u> </u>	R	EMARK
C4025	1 100 000 00	OFDAMIC CUID	0.4145		25V	C4400	1 100 000 00	CERAMIC CHIP	0.4145		25V
		CERAMIC CHIP		20%						F0/	
	1-126-964-11		10MF					CERAMIC CHIP		5%	50V
		CERAMIC CHIP		10% 10%				CERAMIC CHIP		5%	50V
		CERAMIC CHIP		10%		C4125	1-163-275-11	CERAMIC CHIP	0.00 TMF	5%	50V
C4039	1-164-004-11	CERAMIC CHIP	U. IMF	10%	25 V	C4106	1 100 075 11	CERAMIC CUID	0.004845	E0/	50V
C4046	1 100 000 00	CEDANIC CUID	0.5	0.25pF	- FOV			CERAMIC CHIP		5%	
		CERAMIC CHIP		•				CERAMIC CHIP		10%	
		CERAMIC CHIP		0.5pF	50V			CERAMIC CHIP		10%	50V
		CERAMIC CHIP		5%			1-126-964-11		10MF	20%	
		CERAMIC CHIP		3%	25V	C4130	1-120-904-11	ELECT	TOME	20%	507
C4050	1-103-036-00	CENAIVIIC CHIP	U. HVIF		25 V	C4121	1 160 075 11	CERAMIC CHIP	0.001145	5%	50V
C4051	1-126-967-11	ELECT	47MF	20%	16V			CERAMIC CHIP		5%	50 V
		CERAMIC CHIP		20 /0	50V		1-126-924-11		330MF	20%	
		CERAMIC CHIP		5%	50V			CERAMIC CHIP		10%	
		CERAMIC CHIP		3 /0	50V			CERAMIC CHIP		10%	25V
		CERAMIC CHIP			50V	04143	1-103-036-00	CENAMIC CHIP	U. HWIF		23 V
04055	1-103-031-11	CLIANIC CITI	0.011		30 4	C4146	1-163-017-00	CERAMIC CHIP	0.0047ME	109/	50V
C4056	1.162.252.11	CERAMIC CHIP	120nE	5%	50V			CERAMIC CHIP		10 /6	25V
	1-126-964-11		10MF	20%				CERAMIC CHIP			25V
	1-126-964-11		10MF	20%				CERAMIC CHIP		10%	
		CERAMIC CHIP		20 /0	25V			CERAMIC CHIP		10%	16V
		ELECT		20%		04130	1-104-557-11	CENAMIC CHIP	2.21111		10 V
04000	1 120 304 11	LLLOI	TOWN	2070	001	C4151	1-163-038-00	CERAMIC CHIP	0.1ME		25V
C4072	1-126-023-11	ELECT	220MF	20%	10V			CERAMIC CHIP		0.5pF	
		CERAMIC CHIP		20 /0	25V	1		CERAMIC CHIP		5%	50V
	1-126-923-11		220MF	20%				CERAMIC CHIP		5%	50V
		CERAMIC CHIP		2070	25V			CERAMIC CHIP		5%	50V
		ELECT		20%		04100	1 100 107 00	OLI II IIIII O OI III	осорі	070	30 4
0.107.0	1 120 020 11		LLOM	2070	101	C4156	1-163-263-11	CERAMIC CHIP	330nF	5%	50V
C4079	1-126-923-11	ELECT	220MF	20%	10V			CERAMIC CHIP		070	50V
		CERAMIC CHIP		2070	25V		1-126-967-11		47MF	20%	
	1-126-923-11		220MF	20%				CERAMIC CHIP		2070	25V
		CERAMIC CHIP			25V			CERAMIC CHIP			50V
		CERAMIC CHIP			25V		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		0.0		
						C4161	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C4084	1-126-923-11	ELECT	220MF	20%	10V			CERAMIC CHIP		5%	50V
	1-126-964-11		10MF	20%			1-126-964-11		10MF	20%	
C4086	1-163-038-00	CERAMIC CHIP	0.1MF		25V	C4174	1-126-964-11	ELECT	10MF	20%	50V
C4087	1-126-967-11	ELECT	47MF	20%	16V	C4175	1-163-237-11	<b>CERAMIC CHIP</b>	27pF	5%	50V
C4100	1-163-038-00	<b>CERAMIC CHIP</b>	0.1MF		25V						
						C4176	1-163-038-00	<b>CERAMIC CHIP</b>	0.1MF		25V
C4101	1-163-245-11	<b>CERAMIC CHIP</b>	56pF	5%	50V	C4177	1-163-038-00	<b>CERAMIC CHIP</b>	0.1MF		25V
C4102	1-163-031-11	<b>CERAMIC CHIP</b>	0.01MF		50V	C4178	1-163-275-11	<b>CERAMIC CHIP</b>	0.001MF	5%	50V
C4103	1-163-038-00	CERAMIC CHIP	0.1MF		25V	C4179	1-124-902-00	ELECT	0.47MF	20%	50V
C4104	1-163-038-00	<b>CERAMIC CHIP</b>	0.1MF		25V	C4180	1-164-161-11	<b>CERAMIC CHIP</b>	0.0022MF	10%	50V
C4105	1-163-275-11	CERAMIC CHIP	0.001MF	5%	50V						
						C4181	1-126-967-11	ELECT	47MF	20%	16V
C4106	1-163-038-00	CERAMIC CHIP	0.1MF		25V	C4182	1-163-038-00	<b>CERAMIC CHIP</b>	0.1MF		25V
		CERAMIC CHIP		10%	50V	C4183	1-104-665-11	ELECT	100MF	20%	25V
C4108	1-163-235-11	CERAMIC CHIP	22pF	5%	50V	C4184	1-163-038-00	<b>CERAMIC CHIP</b>	0.1MF		25V
C4109	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C4185	1-163-275-11	<b>CERAMIC CHIP</b>	0.001MF	5%	50V
C4110	1-163-038-00	CERAMIC CHIP	0.1MF		25V						
						C4186	1-110-501-11	CERAMIC CHIP	0.33MF	10%	16V
	1-126-964-11		10MF	20%	50V	C4187	1-163-017-00	<b>CERAMIC CHIP</b>	0.0047MF	10%	50V
C4112	1-163-031-11	CERAMIC CHIP	0.01MF		50V			CERAMIC CHIP		10%	50V
		CERAMIC CHIP	0.1MF		25V			CERAMIC CHIP			25V
C4114	1-126-964-11	ELECT	10MF	20%		C4190	1-163-275-11	CERAMIC CHIP	0.001MF	5%	50V
C4115	1-126-964-11	ELECT	10MF	20%	50V						
								CERAMIC CHIP		10%	
_		CERAMIC CHIP			25V			CERAMIC CHIP		10%	
	1-126-964-11		10MF	20%				CERAMIC CHIP		5%	50V
		CERAMIC CHIP		10%				CERAMIC CHIP			25V
		CERAMIC CHIP		10%		C4196	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C4120	1-163-133-00	CERAMIC CHIP	470pF	5%	50V						
04404	4 400 000 ::	0504440 01	0.047145	1001	0514			CERAMIC CHIP			50V
C4121	1-163-809-11	CERAMIC CHIP	U.U4/MF	10%	25V	C4198	1-163-031-11	CERAMIC CHIP	0.01MF		50V



REF.NO.	PART NO.	DESCRIPTION		R	EMARK	REF.NO.	PART NO.	DESCRIPTIO	N	R	EMARK
C4199	1-163-038-00	CERAMIC CHIP	0.1MF		25V	C4279	1-124-442-00	ELECT	330MF	20%	6.3V
		CERAMIC CHIP			25V	0.270		LLLO	COOM	2070	0.0 V
		CERAMIC CHIP			50V						
04207	1 100 001 11	OLI WILLIO OT III	0.011411		001		<connecto< td=""><td>OR&gt;</td><td></td><td></td><td></td></connecto<>	OR>			
		CERAMIC CHIP		5%							
C4203	1-163-038-00	CERAMIC CHIP	0.1MF		25V	CN1016	1-695-301-11	CONNECTOR	, BOARD TO	BOAR	D 40P
C4204	1-163-038-00	CERAMIC CHIP	0.1MF		25V						
C4205	1-163-275-11	CERAMIC CHIP	0.001MF	5%	50V						
C4206	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V		<diode></diode>				
C4207	1-163-235-11	CERAMIC CHIP	22pF	5%	50V	D303	8-719-404-49	DIODE MA111			
		CERAMIC CHIP			25V			DIODE 1SS13			
C4209	1-164-004-11	<b>CERAMIC CHIP</b>	0.1MF	10%	25V	D4004	8-719-031-68	DIODE HVU35	9TRF		
C4210	1-126-964-11	ELECT	10MF	20%	50V	D4005	8-719-914-43	DIODE DAN20	2K		
C4211	1-163-031-11	CERAMIC CHIP	0.01MF		50V	D4006	8-719-404-49	DIODE MA111			
C4212	1-126-964-11	FLECT	10MF	20%	50V	D4007	8-719-031-68	DIODE HVU35	OTDE		
C4213	1-126-964-11	FLECT	10MF	20%				DIODE DAN20			
C4214	1-163-038-00	CERAMIC CHIP		20 /0	25V			DIODE DANZO			
		ELECT	10MF	20%				DIODE HVU35			
		CERAMIC CHIP		10%				DIODE HVU35			
04210	1104 202 11	OLI MINIO OTTI	0.011411	10 /0	30 V	D4011	0713-031-00	DIODE NV033	31111		
		CERAMIC CHIP		10%		D4014	8-719-404-49	DIODE MA111			
		CERAMIC CHIP		5%	50V	D4015	8-719-914-43	DIODE DAN20	2K		
C4220	1-163-099-00	CERAMIC CHIP	18pF	5%	50V	D4016	8-719-914-43	DIODE DAN20	2K		
C4221	1-163-038-00	CERAMIC CHIP	0.1MF		25V	D4017	8-719-914-43	DIODE DAN20	2K		
C4222	1-163-133-00	CERAMIC CHIP	470pF	5%	50V	D4018	8-719-404-49	DIODE MA111			
C4223	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V	D4019	8-719-031-68	DIODE HVU35	9TRF		
		CERAMIC CHIP		5%				DIODE HVU35			
		CERAMIC CHIP		5%				DIODE MA111			
		CERAMIC CHIP		10%				DIODE MA111			
		CERAMIC CHIP		10%		5.020	0 7 10 10 1 10	DIODE IMPATTI			
C4220	1 162 021 11	CERAMIC CHIP	0.01ME		50V		<filter></filter>				
	1-126-964-11		10MF	20%			<filter></filter>				
		CERAMIC CHIP		5%	50V	EL 4004	1 000 400 44	EU TED LOW	DACC		
		CERAMIC CHIP		10%				FILTER, LOW			
		CERAMIC CHIP		10 %	25V			FILTER, LOW			
U4239	1-103-030-00	CENAMIC CHIP	U. HVIF		23 V			FILTER, LOW			
C4240	1 162 021 11	CERAMIC CHIP	0.01145		50V			FILTER, LOW			
		ELECT	10MF	200/	50V 50V	FL4005	1-233-435-11	FILTER, LOW	PA33		
		ELECT	22MF	20%		EL 4006	1 000 404 11	FILTER, LOW	DACC		
		CERAMIC CHIP		20 /6	16V			FILTER, LOW			
		CERAMIC CHIP			25V						
U4240	1-103-036-00	CENAIVIIC CHIP	U. HVIF		25 V			FILTER, LOW			
C4240	1 162 020 00	CEDAMIC CHID	0.1ME		251/			FILTER, LOW			
		CERAMIC CHIP		200/	25V	FL4014	1-233-436-11	FILTER, LOW	L422		
_	1-126-964-11		10MF 10MF	20%		EL 4045	1 000 400 44	EILTED LOWE	DACC		
_	1-126-964-11			20%				FILTER, LOW			
		CERAMIC CHIP			25V			FILTER, LOW	PASS		
C4253	1-163-038-00	CERAMIC CHIP	0.1MF		25V			FILTER, EMI			
0.405.4					<b>501</b>			FILTER, EMI			
		CERAMIC CHIP		5%	50V	FL4019	1-233-736-21	FILTER, EMI			
		CERAMIC CHIP		5%	50V						
		CERAMIC CHIP		10%			1-233-736-21	•			
		CERAMIC CHIP			50V	FL4021	1-233-736-21	FILTER, EMI			
C4261	1-163-253-11	CERAMIC CHIP	120pF	5%	50V		1-233-736-21	,			
0407	4 400 057 11	OFBANIO OUT	400-5	E01	50) (		1-233-736-21	-			
		CERAMIC CHIP		5%	50V	FL4024	1-233-736-21	FILTER, EMI			
		CERAMIC CHIP	•	5%	50V						
		CERAMIC CHIP	•	5%	50V	FL4025	1-233-736-21	FILTER, EMI			
_		CERAMIC CHIP	•	5%	50V						
C4275	1-126-923-11	ELECT	220MF	20%	10V		حاC>				
C4276	1-126-923-11	ELECT	220MF	20%	10V		<ic></ic>				
		CERAMIC CHIP		•	25V	IC4001	8-752-068-39	IC CXA1840S			
_	1-124-442-00		330MF	20%	6.3V	_		IC TDA8443B			
						-					



REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO	. PART NO.	DESCRIPTION	REMARK
IC4003 8-752-369-84	IC CXD2309Q-T	6	L4032	1-408-401-00	INDUCTOR 2.2UH	
IC4004 8-752-369-15						
IC4005 8-752-357-86	IC CXD2300Q-T	4		TDANCIOTO	<b>ND</b>	
IC4006 8-752-070-58	IC CXA1860Q-T	4		<transisto< td=""><td>JK&gt;</td><td></td></transisto<>	JK>	
IC4007 8-759-430-79			Q4001	8-729-216-22	TRANSISTOR 2SA1162-G	
IC4008 8-759-981-61	IC LM2901M		Q4002	8-729-216-22	TRANSISTOR 2SA1162-G	
IC4009 8-759-398-17	IC MC74HC04AI	DR2	Q4003	8-729-216-22	TRANSISTOR 2SA1162-G	
IC4010 8-752-370-85	IC CXD2032Q-T	L			TRANSISTOR 2SA1162-G	
IC4011 8-752-369-15	IC CYD2030B		Q4005	8-729-216-22	TRANSISTOR 2SA1162-G	
IC4012 8-752-357-86		4	Q4006	8-729-216-22	TRANSISTOR 2SA1162-G	
IC4013 8-752-068-39		•			TRANSISTOR 2SA1162-G	
IC4014 8-752-070-58	IC CXA1860Q-T	4	Q4008	8-729-216-22	TRANSISTOR 2SA1162-G	
IC4015 8-759-430-79	IC TDA8395T/N3	3			TRANSISTOR 2SA1162-G	
104040 0 750 004 04	10.1.1.1000.414		Q4010	8-729-216-22	TRANSISTOR 2SA1162-G	
IC4016 8-759-981-61 IC4017 8-759-398-19		DIMPO	04011	9.700.016.00	TRANSISTOR 2SA1162-G	
IC4017 8-759-398-19		BDWAZ			TRANSISTOR 2SATT62-G	
IC4019 8-752-337-04					TRANSISTOR 2SC2412K-QR	
IC4020 8-752-337-04			1		TRANSISTOR 2SA1162-G	
			Q4016	8-729-920-74	TRANSISTOR 2SC2412K-QR	
IC4021 8-759-352-06						
IC4022 8-759-398-19		BDWR2			TRANSISTOR 2SC2412K-QR	
IC4023 8-759-009-02					TRANSISTOR 2SA1162-G	
IC4024 8-759-234-77 IC4025 8-759-352-05					TRANSISTOR DTC114EK TRANSISTOR DTA114EKA-T1	46
104020 0-709-002-00	10 W0W040002				TRANSISTOR 2SA1162-G	+0
IC4026 8-759-398-17	IC MC74HC04AI	DR2	4.055	0 / 20 2 / 0 22	77.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.	
IC4027 8-759-251-48	IC UPC358GR-E	1	Q4023	8-729-216-22	TRANSISTOR 2SA1162-G	
IC4028 8-759-398-16	IC MC74HCU04	DR2			TRANSISTOR 2SC2412K-QR	
					TRANSISTOR 2SC2412K-QR	
<coil></coil>					TRANSISTOR 2SC2412K-QR TRANSISTOR 2SC2412K-QR	
COOILS			Q4027	0-723-320-74	THANSISTON 2502412K-QH	
L4001 1-408-397-00	INDUCTOR	1UH			TRANSISTOR 2SC2412K-QR	
L4002 1-408-397-00		1UH			TRANSISTOR 2SC2412K-QR	
L4004 1-414-248-11		2.2UH			TRANSISTOR 2SC2412K-QR	
L4005 1-408-397-00 L4006 1-408-397-00		1UH 1UH			TRANSISTOR 2SC2412K-QR TRANSISTOR 2SC2412K-QR	
L4000 1-400-397-00	INDUCTOR	TOH	Q4032	0-729-920-74	TRANSISTOR 25C2412K-QR	
L4007 1-408-401-00	INDUCTOR	2.2UH	Q4034	8-729-216-22	TRANSISTOR 2SA1162-G	
L4008 1-408-401-00		2.2UH			TRANSISTOR 2SA1162-G	
L4011 1-408-401-00		2.2UH			TRANSISTOR 2SA1162-G	
L4012 1-408-401-00 L4013 1-408-397-00		2.2UH 1UH			TRANSISTOR 2SC2412K-QR TRANSISTOR 2SA1162-G	
L4013 1-406-397-00	INDUCTOR	TOH	Q4039	0-729-210-22	TRANSISTOR 25A1162-G	
L4014 1-408-397-00	INDUCTOR	1UH	Q4040	8-729-920-74	TRANSISTOR 2SC2412K-QR	
L4015 1-408-397-00	INDUCTOR	1UH	Q4043	8-729-216-22	TRANSISTOR 2SA1162-G	
L4016 1-408-397-00		1UH			TRANSISTOR 2SA1162-G	
L4018 1-408-397-00		1UH			TRANSISTOR 2SA1162-G	
L4019 1-414-248-11	INDUCTOR	2.2UH	Q4047	8-729-920-74	TRANSISTOR 2SC2412K-QR	
L4020 1-408-397-00	INDUCTOR	1UH	Q4048	8-729-920-74	TRANSISTOR 2SC2412K-QR	
L4021 1-408-405-00	INDUCTOR	4.7UH	Q4049	8-729-920-74	TRANSISTOR 2SC2412K-QR	
L4022 1-408-405-00		4.7UH	Q4050	8-729-920-74	TRANSISTOR 2SC2412K-QR	
L4023 1-414-248-11		2.2UH			TRANSISTOR 2SC2412K-QR	
L4024 1-414-248-11	INDUCTOR	2.2UH	Q4052	8-729-920-74	TRANSISTOR 2SC2412K-QR	
L4025 1-408-397-00	INDUCTOR	1UH	Q4053	8-729-920-74	TRANSISTOR 2SC2412K-QR	
L4026 1-408-397-00		1UH			TRANSISTOR 2SC2412K-QR	
L4027 1-412-003-41			Q4055	8-729-920-74	TRANSISTOR 2SC2412K-QR	
L4028 1-414-248-11		2.2UH			TRANSISTOR DTC144EKA-T1	46
L4029 1-414-248-11	INDUCTOR	2.2UH	Q4057	8-729-216-22	TRANSISTOR 2SA1162-G	
L4030 1-414-248-11	INDLICTOR	2.2UH	04059	8-729-216-22	TRANSISTOR 2SA1162-G	
L4031 1-408-401-00		2.2UH			TRANSISTOR 2SA1162-G	
, 400 401 00		,	1 2,000	LO E 10 EE		



REF.NO.	PART NO.	DESCRIPTION	RI	EMARK	REF.NO.	PART NO.	DESCRIPTION	1	R	EMARK
		TRANSISTOR 2SA1162-G			R4023	1-216-097-00	METAL GLAZE	100K	5%	1/10W
Q4061	8-729-216-22	TRANSISTOR 2SA1162-G			R4024	1-216-049-00	METAL GLAZE	1K	5%	1/10W
Q4062	8-729-216-22	TRANSISTOR 2SA1162-G	i		R4025	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
					R4026	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W
Q4063	8-729-216-22	TRANSISTOR 2SA1162-G	i		R4027	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W
		TRANSISTOR 2SC2412K-							0,10	
		TRANSISTOR 2SC2412K-			DANCE	1.216.055.00	METAL GLAZE	1.01/	5%	1/10W
							METAL GLAZE			
		TRANSISTOR 2SC2412K-							5%	1/10W
Q4067	8-729-920-74	TRANSISTOR 2SC2412K-	QR				METAL GLAZE		5%	1/10W
					R4031	1-216-033-00	METAL GLAZE	220	5%	1/10W
Q4068	8-729-920-74	TRANSISTOR 2SC2412K-	QR		R4032	1-216-033-00	METAL GLAZE	220	5%	1/10W
Q4069	8-729-920-74	TRANSISTOR 2SC2412K-	QR							
		TRANSISTOR 2SC2412K-			B4033	1-216-025-00	METAL GLAZE	100	5%	1/10W
		TRANSISTOR 2SC2412K-					METAL GLAZE			1/10W
		TRANSISTOR 2SC2412K-			3		METAL GLAZE		5%	1/10W
Q4072	8-729-920-74	THANSISTUR 2502412N-	QH.							
_							METAL GLAZE		5%	1/10W
Q4073	8-729-920-74	TRANSISTOR 2SC2412K-	QR		R4040	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
		TRANSISTOR 2SA1162-G								
Q4075	8-729-900-53	TRANSISTOR DTC114EK			R4041	1-216-033-00	METAL GLAZE	220	5%	1/10W
		TRANSISTOR DTA114EK			R4042	1-216-043-91	METAL GLAZE	560	5%	1/10W
		TRANSISTOR 2SA1162-G			1		METAL GLAZE			1/10W
Q4077	0-723-210-22	TRANSISTON ZOATTOZ C					METAL GLAZE			1/10W
0.1070	. 700 000 74	TRANSPORTOR SCOOMS	00							1/10W
		TRANSISTOR 2SC2412K-			H4046	1-216-045-00	METAL GLAZE	680	5%	1/1044
		TRANSISTOR DTA114EK								
Q4080	8-729-216-22	TRANSISTOR 2SA1162-G			R4047	1-208-800-11	METAL CHIP	5.6K	0.50%	%1/10W
Q4081	8-729-920-74	TRANSISTOR 2SC2412K-	QR		R4048	1-216-045-00	METAL GLAZE	680	5%	1/10W
Q4082	8-729-216-22	TRANSISTOR 2SA1162-G	i		R4049	1-208-800-11	METAL CHIP	5.6K	0.50%	61/10W
Q.1002	0 120 210 22						METAL CHIP	560		61/10W
04000	0.700.000.50	TRANSISTOR DTC114EK					METAL GLAZE			1/10W
					H4031	1-210-045-00	WILLIAL GLAZE	000	3/0	1/1044
		TRANSISTOR DTA114EK								
Q4085	8-729-216-22	TRANSISTOR 2SA1162-G	ì		R4052	1-216-631-11	METAL CHIP	150	0.50%	61/10W
Q4086	8-729-920-74	TRANSISTOR 2SC2412K-	QR		R4053	1-216-631-11	METAL CHIP	150	0.50%	61/10W
Q4087	8-729-216-22	TRANSISTOR 2SA1162-G	ì		R4054	1-216-045-00	METAL GLAZE	680	5%	1/10W
					R4055	1-216-645-11	METAL CHIP	560	0.50%	61/10W
O4088	8-729-027-23	TRANSISTOR DTA114EK	A-T146				METAL GLAZE			1/10W
		TRANSISTOR 2SC2412K-				. 2.000.00		000	0,0	.,
					D4057	1 010 045 00	METAL CLAZE	000	E0/	4/4018/
		TRANSISTOR DTC114EK					METAL GLAZE			1/10W
		TRANSISTOR DTC114EK				1-216-632-11		160		61/10W
Q4092	8-729-119-78	TRANSISTOR 2SC2785-H	IFE			1-216-663-11		3.3K		61/10W
					R4060	1-216-660-11	METAL CHIP	2.4K	0.50%	61/10W
					R4061	1-216-663-11	METAL CHIP	3.3K	0.50%	61/10W
	<resistor:< td=""><td>&gt;</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></resistor:<>	>								
					R4062	1-216-091-00	METAL GLAZE	56K	5%	1/10W
D4001	1 216 077 00	METAL GLAZE 15K	E9/.	1/10W			METAL GLAZE			1/10W
							METAL GLAZE			
		METAL GLAZE 680		1/10W						1/10W
		METAL GLAZE 2.7K		1/10W			METAL GLAZE			1/10W
R4004	1-216-085-00	METAL GLAZE 33K	5%	1/10W	R4066	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R4005	1-216-673-11	METAL CHIP 8.2K	0.50%	61/10W						
					B4067	1-216-091-00	METAL GLAZE	56K	5%	1/10W
R4007	1-216-033-00	METAL GLAZE 220	5%	1/10W			METAL GLAZE		5%	1/10W
		METAL GLAZE 330	5%	1/10W			METAL GLAZE		5%	1/10W
		METAL GLAZE 680	5%	1/10W			METAL GLAZE		5%	1/10W
R4011	1-216-059-00	METAL GLAZE 2.7K	5%	1/10W	R4071	1-216-043-91	METAL GLAZE	560	5%	1/10W
R4012	1-216-073-00	METAL GLAZE 10K	5%	1/10W						
					R4072	1-216-647-11	METAL CHIP	680	0.50%	61/10W
R4013	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W		1-208-767-11		240		61/10W
		METAL GLAZE 100	5%	1/10W			METAL GLAZE			1/10W
				1/10W						1/10W
		METAL GLAZE 47K	5%				METAL GLAZE			
		METAL GLAZE 3.3M	5%	1/10W	H4076	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R4017	1-216-033-00	METAL GLAZE 220	5%	1/10W						
					R4077	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R4018	1-216-033-00	METAL GLAZE 220	5%	1/10W	R4078	1-216-075-00	METAL GLAZE	12K	5%	1/10W
		METAL GLAZE 18K	5%	1/10W			METAL GLAZE			1/10W
		METAL GLAZE 10K	5%	1/10W			METAL GLAZE			1/10W
		METAL GLAZE 12K	5%	1/10W	H4081	1-216-624-11	METAL CHIP	75	0.50%	61/10W
R4022	1-216-073-00	METAL GLAZE 10K	5%	1/10W	j					
					R4082	1-216-664-11	METAL CHIP	3.6K	0.50%	61/10W
					-					



DEE NO DART NO DECORPTION			
REF.NO. PART NO. DESCRIPTION	REMARK	REF.NO. PART NO. DESCRIPTION	REMARK
R4083 1-216-051-00 METAL GLAZE 1.2K	5% 1/10W	R4142 1-208-806-11 METAL CHIP 10K	0.50%1/10W
R4084 1-216-059-00 METAL GLAZE 2.7K	5% 1/10W	R4143 1-216-055-00 METAL GLAZE 1.8K	5% 1/10W
R4085 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W	R4144 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W
R4086 1-216-659-11 METAL CHIP 2.2K	0.50%1/10W		
D4097 1 010 051 11 METAL OLUB	0.500/4/40141	R4145 1-216-049-00 METAL GLAZE 1K	5% 1/10W
R4087 1-216-651-11 METAL CHIP 1K R4089 1-216-075-00 METAL GLAZE 12K	0.50%1/10W	R4146 1-208-845-11 METAL GLAZE 1M	5% 1/10W
R4090 1-216-063-91 METAL GLAZE 12K	5% 1/10W 5% 1/10W	R4147 1-216-061-00 METAL GLAZE 3.3K	5% 1/10W
R4091 1-216-049-00 METAL GLAZE 1K	5% 1/10W	R4148 1-216-071-00 METAL GLAZE 8.2K R4149 1-216-053-00 METAL GLAZE 1.5K	5% 1/10W 5% 1/10W
R4093 1-216-647-11 METAL CHIP 680	0.50%1/10W	114140 1210 000 00 METAL GLAZE 1.5K	5% 1/10W
		R4150 1-216-085-00 METAL GLAZE 33K	5% 1/10W
R4094 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W	R4151 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W
R4095 1-216-067-00 METAL GLAZE 5.6K	5% 1/10W	R4152 1-216-071-00 METAL GLAZE 8.2K	5% 1/10W
R4096 1-216-043-91 METAL GLAZE 560 R4098 1-208-767-11 METAL CHIP 240	5% 1/10W	R4153 1-216-073-00 METAL GLAZE 10K	5% 1/10W
R4098 1-208-767-11 METAL CHIP 240 R4099 1-216-053-00 METAL GLAZE 1.5K	0.50%1/10W 5% 1/10W	R4154 1-216-077-00 METAL GLAZE 15K	5% 1/10W
114033 1-210-033-00 METAL GLAZE 1.5K	3% 1/1UVV	R4155 1-216-091-00 METAL GLAZE 56K	F0/ 4/40144
R4100 1-216-073-00 METAL GLAZE 10K	5% 1/10W	R4157 1-216-049-00 METAL GLAZE 56K	5% 1/10W 5% 1/10W
R4101 1-216-065-00 METAL GLAZE 4.7K	5% 1/10W	R4158 1-208-845-11 METAL GLAZE 1M	5% 1/10W
R4102 1-216-073-00 METAL GLAZE 10K	5% 1/10W	R4159 1-216-049-00 METAL GLAZE 1K	5% 1/10W
R4103 1-216-624-11 METAL CHIP 75	0.50%1/10W	R4160 1-216-097-00 METAL GLAZE 100K	5% 1/10W
R4104 1-216-049-00 METAL GLAZE 1K	5% 1/10 <b>W</b>		
R4105 1-216-049-00 METAL GLAZE 1K	5% 1/10W	R4161 1-216-049-00 METAL GLAZE 1K	5% 1/10W
R4106 1-216-057-00 METAL GLAZE 1R	5% 1/10W 5% 1/10W	R4162 1-216-097-00 METAL GLAZE 100K R4163 1-216-091-00 METAL GLAZE 56K	5% 1/10W
R4107 1-216-049-00 METAL GLAZE 1K	5% 1/10W	R4164 1-216-073-00 METAL GLAZE 56K	5% 1/10W 5% 1/10W
R4108 1-216-097-00 METAL GLAZE 100K	5% 1/10W	R4165 1-216-063-91 METAL GLAZE 3.9K	5% 1/10W 5% 1/10W
R4109 1-216-105-00 METAL GLAZE 220K	5% 1/10W	3.5K	070 1710
		R4166 1-216-097-00 METAL GLAZE 100K	5% 1/10W
R4110 1-216-049-00 METAL GLAZE 1K	5% 1/10W	R4167 1-216-624-11 METAL CHIP 75	0.50%1/10W
R4111 1-216-073-00 METAL GLAZE 10K R4112 1-216-648-11 METAL CHIP 750	5% 1/10W	R4168 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W
R4112 1-216-648-11 METAL CHIP 750 R4113 1-208-767-11 METAL CHIP 240	0.50%1/10W 0.50%1/10W	R4169 1-216-659-11 METAL CHIP 2.2K	0.50%1/10W
R4114 1-216-065-00 METAL GLAZE 4.7K	5% 1/10W	R4170 1-216-651-11 METAL CHIP 1K	0.50%1/10W
	0,0 1,1011	R4171 1-208-767-11 METAL CHIP 240	0.50%1/10W
R4115 1-216-651-11 METAL CHIP 1K	0.50%1/10W	R4173 1-216-075-00 METAL GLAZE 12K	5% 1/10W
R4116 1-216-065-00 METAL GLAZE 4.7K	5% 1/10W	R4174 1-216-063-91 METAL GLAZE 3.9K	5% 1/10W
R4117 1-216-626-11 METAL CHIP 91	0.50%1/10W	R4175 1-216-049-00 METAL GLAZE 1K	5% 1/10W
R4118 1-216-650-11 METAL CHIP 910 R4119 1-216-651-11 METAL CHIP 1K	0.50%1/10W 0.50%1/10W	R4178 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W
14113 1-210-031-11 METAL CHIP IN	0.50% 1/1000	R4179 1-216-067-00 METAL GLAZE 5.6K	F0/ 4/40144
R4120 1-216-049-00 METAL GLAZE 1K	5% 1/10W	R4180 1-216-043-91 METAL GLAZE 5.6K	5% 1/10W
R4121 1-216-083-00 METAL GLAZE 27K	5% 1/10W	R4181 1-216-045-00 METAL GLAZE 680	5% 1/10W 5% 1/10W
R4122 1-216-063-91 METAL GLAZE 3.9K	5% 1/10W	R4182 1-208-767-11 METAL CHIP 240	0.50%1/10W
R4123 1-216-049-00 METAL GLAZE 1K	5% 1/10W	R4186 1-216-664-11 METAL CHIP 3.6K	0.50%1/10W
R4124 1-216-073-00 METAL GLAZE 10K	5% 1/10W		
R4125 1-216-073-00 METAL GLAZE 10K	50/ 4/40/44	R4187 1-216-051-00 METAL GLAZE 1.2K	5% 1/10W
R4126 1-216-073-00 METAL GLAZE 10K	5% 1/10W 5% 1/10W	R4188 1-216-059-00 METAL GLAZE 2.7K	5% 1/10W
R4127 1-216-053-00 METAL GLAZE 1.5K	5% 1/10W	R4189 1-216-079-00 METAL GLAZE 18K R4190 1-216-075-00 METAL GLAZE 12K	5% 1/10W
R4128 1-216-049-00 METAL GLAZE 1K	5% 1/10W	R4191 1-216-075-00 METAL GLAZE 12K	5% 1/10W 5% 1/10W
R4129 1-216-063-91 METAL GLAZE 3.9K	5% 1/10W	THE STORY OF METAL GENEE 121	376 1710VV
		R4192 1-216-073-00 METAL GLAZE 10K	5% 1/10W
R4130 1-216-065-00 METAL GLAZE 4.7K	5% 1/10W	R4193 1-216-077-00 METAL GLAZE 15K	5% 1/10W
R4131 1-216-049-00 METAL GLAZE 1K	5% 1/10W	R4194 1-216-045-00 METAL GLAZE 680	5% 1/10W
R4132 1-216-085-00 METAL GLAZE 33K R4133 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W	R4195 1-216-059-00 METAL GLAZE 2.7K	5% 1/10W
R4134 1-216-073-00 METAL GLAZE 2.2K	5% 1/10W 5% 1/10W	R4196 1-216-085-00 METAL GLAZE 33K	5% 1/10W
TO STORE WE THE GENERAL TON	070 1710	R4197 1-216-673-11 METAL CHIP 8.2K	0.50%1/10W
R4135 1-216-063-91 METAL GLAZE 3.9K	5% 1/10W	R4198 1-216-033-00 METAL GLAZE 220	5% 1/10W
R4136 1-216-053-00 METAL GLAZE 1.5K	5% 1/10W	R4201 1-216-037-00 METAL GLAZE 330	5% 1/10W
R4137 1-216-069-00 METAL GLAZE 6.8K	5% 1/10W	R4202 1-216-059-00 METAL GLAZE 2.7K	5% 1/10W
R4138 1-216-063-91 METAL GLAZE 3.9K	5% 1/10W	R4203 1-216-045-00 METAL GLAZE 680	5% 1/10W
R4139 1-216-049-00 METAL GLAZE 1K	5% 1/10W	D4004 4 040 070 00 14774	
R4140 1-216-025-00 METAL GLAZE 100	5% 1/10W	R4204 1-216-073-00 METAL GLAZE 10K R4206 1-216-113-00 METAL GLAZE 470K	5% 1/10W
R4141 1-208-812-11 METAL CHIP 18K	0.50%1/10W	R4207 1-216-025-00 METAL GLAZE 470K	5% 1/10W 5% 1/10W
		THE SECOND WEIGHT GLAZE 100	J76 1/ TUVV



R4208   1.216-133-00 METAL GLAZE   9.3M   5%   1/10W   R4209   1.216-033-00 METAL GLAZE   9.3M   5%   1/10W   R4209   1.216-033-00 METAL GLAZE   1.216-033	REF.NO.	PART NO.	DESCRIPTION		RE	EMARK	REF.NO.	PART NO.	DESCRIPTION		R	EMARK
## ## ## ## ## ## ## ## ## ## ## ## ##	R4208	1-216-133-00	METAL GLAZE	3.3M	5%	1/10W	R4267	1-216-037-00	METAL GLAZE	330	5%	1/10W
R4201   1-216-033-00 METAL GLAZE   120   5%   1/10W   R4271   1-216-037-00 METAL GLAZE   13K   5%   1/10W   R4281   1-216-037-00 METAL GLAZE   13K   5%	R4209	1-216-033-00	METAL GLAZE	220	5%	1/10W	B4268	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R42 1   1-2 6-624-11 METAL CHIP   75   0.50% 1/10W   R42 1   1-2 6-695-00 METAL GLAZE   18K   5%   1/10W   R42 1   1-2 6-695-00 METAL GLAZE   18K   5%   1/10W   R42 1   1-2 6-695-00 METAL GLAZE   28K   5%   1/10W   R42 1   1-2 6-695-00 METAL GLAZE   28K   5%   1/10W   R42 1   1-2 6-695-00 METAL GLAZE   18K   5%   1/10W   R42 1   1-2 6-697-00 METAL GLAZE   18K   5%   1	D4210	1 216 022 00	METAL GLAZE	220	50/.	1/10W						
R4213   1-216-049-00 METAL GLAZE   K   5%   1/10W   R4214   1-216-057-00 METAL GLAZE   K   5%   1/10W   R4214   1-216-057-00 METAL GLAZE   K   5%   1/10W   R4215   1-216-097-00 METAL GLAZE   K   5%   1/10W   R4216   1-216-097-00 METAL GLAZE   10K   5%   1/10W   R4217   1-216-097-00 METAL GLAZE   10K   5%   1/10W   R4217   1-216-097-00 METAL GLAZE   10K   5%   1/10W   R4216   1-216-099-00 METAL GLAZE   10K   5%   1/10W   R4216   1-216-097-00 METAL GLAZE   10K   5%   1/10W   R4216   1-216-099-00 METAL GLAZE   10K   5%   1/10W   R4226   1-216-095-00 METAL GLAZE   24W   50.50%   1/10W   R4226   1-216-095-00 METAL GLAZE   1/K   5%   1/10												
R4213   1-216-0049-00 METAL GLAZE   IK   5%   1/10W   R4216   1-216-0049-00 METAL GLAZE   1K   5%   1/10W   R4226   1-216-0648-11 METAL CHIP   200   0.50%1/10W   R4226   1-216-0648-11 METAL CHIP   200   0.50%1/10W   R4226   1-216-0648-11 METAL CHIP   200   0.50%1/10W   R4226   1-216-0649-00 METAL GLAZE   47K   5%   1/10W   R4226   1-216-065-00 METAL GLAZE   47K   5%   1/10W   R4226   1-216-065-00 METAL GLAZE   47K   5%   1/10W   R4226   1-216-065-00 METAL GLAZE   1/10W   R4226												
FA216   1-216-057-00 METAL GLAZE   22K   5%   1/10W   FA215   1-216-049-00 METAL GLAZE   1K   5%   1/10W   FA217   1-216-105-00 METAL GLAZE   10K   5%   1/10W   FA217   1-216-105-00 METAL GLAZE   10K   5%   1/10W   FA217   1-216-057-00 METAL GLAZE   10K   5%   1/10W   FA227   1-216-057-00 METAL GLAZE   10K   5%   1/10W   FA228   1-216-057-10 METAL CHIP   240   0.50%*1/10W   FA228   1-216-057-10 METAL CHIP   240   0.50%*1/10W   FA228   1-216-057-10 METAL CHIP   240   0.50%*1/10W   FA228   1-216-057-10 METAL CHIP   10K   0.50%*1/10W   FA228   1-216-055-11 METAL CHIP   10K   0.50%*1/10W   FA228   1-216-057-10 METAL GLAZE   10K   5%   1/10W   FA228   1-216-059-10 METAL GLAZE   10K   5%   1/10W   FA228   1-216-059-0 METAL GLAZE   10K   5%   1/10W   FA228   1-216-049-00 METAL GLAZE   10K   5%   1/10W												
R4275 1-216-049-00 METAL GLAZE 100K 5% 1/10W R4216 1-216-097-00 METAL GLAZE 100K 5% 1/10W R4216 1-216-099-00 METAL GLAZE 10K 5% 1/10W R4216 1-216-049-00 METAL GLAZE 10K 5% 1/10W R4221 1-208-767-11 METAL CHIP 750 0.50%-1/10W R4222 1-216-668-11 METAL CHIP 240 0.50%-1/10W R4222 1-216-665-10 METAL GLAZE 10K 5% 1/10W R4222 1-216-655-10 METAL GLAZE 10K 5% 1/10W R4223 1-216-655-10 METAL GLAZE 10K 5% 1/10W R4223 1-216-655-10 METAL GLAZE 10K 5% 1/10W R4224 1-216-059-00 METAL GLAZE 10K 5% 1/10W R4223 1-216-655-11 METAL CHIP 910 0.50%-1/10W R4228 1-216-055-00 METAL GLAZE 10K 5% 1/10W R4222 1-216-655-11 METAL CHIP 910 0.50%-1/10W R4222 1-216-055-00 METAL GLAZE 10K 5% 1/10W R4223 1-216-055-00 METAL GLAZE 10K 5% 1/10W R4223 1-216-055-00 METAL GLAZE 10K 5% 1/10W R4223 1-216-055-00 METAL GLAZE 10K 5% 1/10W R4223 1-216-055-00 METAL GLAZE 10K 5% 1/10W R4223 1-216-055-00 METAL GLAZE 10K 5% 1/10W R4223 1-216-055-00 METAL GLAZE 10K 5% 1/10W R4223 1-216-055-00 METAL GLAZE 10K 5% 1/10W R4223 1-216-055-00 METAL GLAZE 10K 5% 1/10W R4223 1-216-055-00 METAL GLAZE 10K 5% 1/10W R4223 1-216-055-00 METAL GLAZE 10K 5% 1/10W R4223 1-216-055-00 METAL GLAZE 10K 5% 1/10W R4223 1-216-055-00 METAL GLAZE 10K 5% 1/10W R4233 1-208-055-00 METAL GLAZE 10K 5% 1/10W R4231 1-216-055-00 METAL GLAZE 10K 5% 1/10W R4231 1-216-055-00 METAL GLAZE 10K 5% 1/10W R4231 1-216-055-00 METAL GLAZE 22K 5% 1/10W R4231 1-216-055-00 METAL GLAZE 10K 5% 1/10W R4231 1-216-055-00 METAL GLAZE 22K 5% 1/10W R4231 1-216-							. h42/2	1-210-03/-11	METAL CHIP	2/0	0.507	01/1044
### R4261 1-216-049-00 METAL GLAZE 10K	H4214	1-216-05/-00	METAL GLAZE	2.2N	3%	1/1044	B4273	1-216-637-11	METAL CHIP	270	0.50%	61/10W
R4216   -216-097-00 METAL GLAZE   100K   5%   1/10W   R4276   1-216-037-00 METAL GLAZE   10K   5%   1/10W   R4276   1-216-047-00 METAL GLAZE   10K   5%   1/10W   R4277   1-216-027-11 METAL CHIP   100   0.50% 1/10W   R4277   1-216-027-11 METAL CHIP   100   0.50% 1/10W   R4277   1-216-027-11 METAL CHIP   100   0.50% 1/10W   R4277   1-216-027-11 METAL CHIP   10K   0.50% 1/10W   R4221   1-216-048-00 METAL GLAZE   10K   5%   1/10W   R4223   1-216-068-00 METAL GLAZE   10K   5%   1/10W   R4223   1-216-068-01 METAL CHIP   10K   0.50% 1/10W   R4223   1-216-068-11 METAL CHIP   10K   0.50% 1/10W   R4228   1-216-089-10 METAL GLAZE   10K   5%   1/10W   R4228   1-216-049-00 METAL GLAZE   10K   5%   1/10W   R4238   1-216-049-00 METAL GLAZE   10K   5%	B4215	1-216-049-00	METAL GLAZE	1K	5%	1/10W						
FALZE   1-216-105-00 METAL GLAZE   10K   5%   1/10W   R4279   1-216-073-00 METAL GLAZE   10K   5%   1/10W   R4279   1-216-073-00 METAL GLAZE   10K   5%   1/10W   R4279   1-216-08-00 METAL GLAZE   10K   5%   1/10W   R4229   1-216-08-00 METAL GLAZE   47K   5%   1/10W   R4229   1-216-08-00 METAL GLAZE   10K   5%   1/10W   R4229   1-216-08-00 METAL GLAZE   15K   5%   1/10W   R4229   1-216-08-00 METAL GLAZE   20K   5%   1/10W   R4229   1-216-08-00 METAL G												
R4219   1216-093-00 METAL GLAZE   IK   5%   1/10W   R4229   1216-686-11 METAL CHIP   750   0.50% 1/10W   R4229   1216-686-11 METAL CHIP   750   0.50% 1/10W   R4229   1216-685-10 METAL GLAZE   47K   5%   1/10W   R4229   1216-685-10 METAL GLAZE   47K   5%   1/10W   R4229   1216-685-10 METAL CHIP   1K   0.50% 1/10W   R4229   1216-685-10 METAL GLAZE   47K   5%   1/10W   R4228   1216-605-00 METAL GLAZE   10K   5%   1/10W   R4228   1216-605-00 METAL GLAZE   10K   5%   1/10W   R4228   1216-065-00 METAL GLAZE   10K   5%   1/10W   R4281   1216-065-00 METAL GLAZE   10K   5%   1/10W   R4283   1216-065-00 METAL GLAZE   10K   5%   1/10W   R4283   1216-065-00 METAL GLAZE   10K   5%   1/10W   R4293   1216-065-00 METAL GLAZE   10K   5%   1/10W   R4294   1216-063-00 METAL GLAZE   10K   5%   1/10W   R4295   1216-065-00 METAL GLAZE   10K   5%   1/10W   R4295   1216-065-00 METAL GLAZE   20K   5%   1/10W   R4295   1216-063-00 METAL GLAZE												,
R4291   1-216-073-00 METAL GLAZE   10K   5%   1/10W   R4292   1-216-648-11 METAL CHIP   750   0.50% 1/10W   R4292   1-216-065-00 METAL GLAZE   47K   5%   1/10W   R4292   1-216-065-00 METAL GLAZE   47K   5%   1/10W   R4292   1-216-065-00 METAL GLAZE   47K   5%   1/10W   R4292   1-216-065-00 METAL GLAZE   47K   5%   1/10W   R4292   1-216-065-00 METAL GLAZE   47K   5%   1/10W   R4292   1-216-065-00 METAL GLAZE   47K   5%   1/10W   R4292   1-216-065-00 METAL GLAZE   47K   5%   1/10W   R4292   1-216-065-00 METAL GLAZE   47K   5%   1/10W   R4292   1-216-065-00 METAL GLAZE   47K   5%   1/10W   R4292   1-216-065-00 METAL GLAZE   47K   5%   1/10W   R4292   1-216-065-00 METAL GLAZE   47K   5%   1/10W   R4292   1-216-065-00 METAL GLAZE   1/10W   R4293   1-216-065-00 METAL GLAZE   1/10W   R4294   1-216-063-00 METAL GLAZE   1/10W   R4294   1-216-063-00 METAL GLAZE   1/10W   R4295   1-216-065-00 METAL GLAZE   1/10W   R4295   1									_			
PA4220   1-216-648-11 METAL CHIP   750   0.50%-1/10W   PA4221   1-216-065-00 METAL GLAZE 47K   5% 1/10W   PA4221   1-216-065-00 METAL GLAZE 4.7K   5% 1/10W   PA4222   1-216-065-00 METAL GLAZE 4.7K   5% 1/10W   PA4224   1-216-065-00 METAL GLAZE 4.7K   5% 1/10W   PA4224   1-216-065-00 METAL GLAZE 4.7K   5% 1/10W   PA4224   1-216-065-00 METAL GLAZE 4.7K   5% 1/10W   PA4225   1-216-626-11 METAL CHIP 9 10							,,,,,,	. 2.0 02,	ME I/IE OI III		0.007	0171011
R4229   1-208-767-11 METAL CHIP   1K   0.50% 1/10W   R4229   1-216-065-00 METAL GLAZE   4.7K   5% 1/10W   R4229   1-216-065-00 METAL GLAZE   4.7K   5% 1/10W   R4229   1-216-065-00 METAL GLAZE   4.7K   5% 1/10W   R4228   1-216-065-00 METAL GLAZE   2.2K   5% 1/10W   R4229   1-216-065-00 METAL GLA							R4278	1-247-807-31	CARBON	100	5%	1/4W
R4222 1-216-065-00 METAL GLAZE 4.7K 5% 1/10W R4224 1-216-065-00 METAL GLAZE 4.7K 5% 1/10W R4224 1-216-065-00 METAL GLAZE 4.7K 5% 1/10W R4224 1-216-065-00 METAL GLAZE 4.7K 5% 1/10W R4226 1-216-650-11 METAL CHIP 91 0.50% 1/10W R4226 1-216-650-11 METAL CHIP 91 0.50% 1/10W R4226 1-216-650-11 METAL CHIP 91 0.50% 1/10W R4228 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4228 1-216-055-00 METAL GLAZE 10K 5% 1/10W R4228 1-216-055-00 METAL GLAZE 10K 5% 1/10W R4229 1-216-055-00 METAL GLAZE 10K 5% 1/10W R4229 1-216-055-00 METAL GLAZE 10K 5% 1/10W R4231 1-206-055-00 METAL GLAZE 10K 5% 1/10W R4231 1-206-055-00 METAL GLAZE 10K 5% 1/10W R4231 1-216-055-00 METAL GLAZE 20K 5% 1/10W R4231 1-216-055-00 METAL GLAZE 20K 5% 1/10W R4231 1-216-055-00 METAL GLAZE 3.9K 5% 1/10W R4231 1-216-055-00 METAL GLAZE 10K 5% 1/10W R4231 1-216-055-00 METAL GLAZE 10K 5% 1/10W R4231 1-216-055-00 METAL GLAZE 10K 5% 1/10W R4241 1-216-053-00 METAL GLAZE 10K 5% 1/10W R4241 1-216-063-90 METAL GLAZE 20K 5% 1/10W R4241 1-216-063-90 METAL GLAZE 10K 5% 1/10W R4251 1-216-063-90 METAL GLAZE 10K 5% 1/10W R4251 1-216-06	R4220	1-216-648-11	METAL CHIP	750	0.50%	1/10W	R4279	1-216-041-00	METAL GLAZE	470	5%	1/10W
R4223 1-216-65-11 METAL CHIP 91 0.50% 1/10W R4226 1-216-65-00 METAL GLAZE 4.7K 5% 1/10W R4226 1-216-65-01 METAL CHIP 91 0.50% 1/10W R4227 1-216-65-01 METAL CHIP 91 0.50% 1/10W R4227 1-216-65-01 METAL CHIP 1K 0.50% 1/10W R4229 1-216-05-00 METAL GLAZE 1W R4280 1-216-04-00 METAL GLAZE 1W R4280 1-216-04-00 METAL GLAZE 1W R4281 1-216-04-00 METAL GLAZE 1W R4281 1-216-04-00 METAL GLAZE 1W R4283 1-216-04-00 METAL GLAZE 1W R4284 1-216-05-70 METAL GLAZE 1W R4285 1-216-04-00 METAL GLAZE 1W R4286 1-216-04-00 METAL GLAZE 1W R4281 1-216-04-00 METAL GLAZE 1W R4283 1-216-04-00 METAL GLAZE 1W R4283 1-216-04-00 METAL GLAZE 1W R4284 1-216-05-00 METAL GLAZE 1W R4285 1-216-04-00 METAL GLAZE 1W R4286 1-216-04-00 METAL GLAZE 1W R4286 1-216-04-00 METAL GLAZE 1W R4287 1-216-04-00 METAL GLAZE 1W R4288 1-216-04-00 METAL GLAZE 1W R4289 1-216-04-00 METAL GLAZE 1W R4289 1-216-05-00 METAL GLAZE 1W R4289 1-216	R4221	1-208-767-11	METAL CHIP	240	0.50%	1/10W	R4280	1-208-784-11	METAL CHIP	1.2K	0.50%	61/10W
R4224   1-216-065-00 METAL GLAZE   4.7K   5%   1/10W   R4226   1-216-680-11 METAL CHIP   910   0.50% 1/10W   R4227   1-216-680-11 METAL CHIP   1K   0.50% 1/10W   R4228   1-208-811-11 METAL CHIP   1K   0.50% 1/10W   R4228   1-208-812-11 METAL CHIP   1K   0.50% 1/10W   R4228   1-208-812-11 METAL CHIP   1K   0.50% 1/10W   R4228   1-208-055-00 METAL GLAZE   1K   5%   1/10W   R4228   1-208-055-00 METAL GLAZE   1K   5%   1/10W   R4228   1-208-055-00 METAL GLAZE   1K   5%   1/10W   R4228   1-208-055-00 METAL GLAZE   1K   5%   1/10W   R4228   1-208-055-00 METAL GLAZE   1K   5%   1/10W   R4228   1-208-055-00 METAL GLAZE   1K   5%   1/10W   R4228   1-208-055-00 METAL GLAZE   1K   5%   1/10W   R4228   1-208-055-00 METAL GLAZE   1K   5%   1/10W   R4228   1-208-055-00 METAL GLAZE   1K   5%   1/10W   R4228   1-216-055-00 METAL GLAZE   1K   5%   1/10W   R4229   1-216-055-00 METAL GLAZE   1K   5%   1/10W   R4229   1-216-055-00 METAL GLAZE   2K   5%   1/10W   R4229   1-216-055-00 METAL GLAZE   1K   5%   1/10W   R4229   1-216-055-00 METAL GLAZE   1K   5%   1/10W   R4229   1-216-055-00 METAL GLAZE   2K   5%   1/10W   R4229   1-216-055-00 METAL GLAZE   1K   5%   1/10W   R4229   1-216-055-00 METAL GLAZE   1K   5%   1/10W   R4229   1-216-055-00 METAL GLAZE   2K   5%   1/10W   R4221   1-216-089-00 METAL GLAZE   1K   5%   1/10W   R4221   1-216-089-00 METAL GLAZE   1K   5%   1/10W   R4221   1-216-089-00 METAL GLAZE   2K   5%   1/10W   R4221   1-216-089-00 METAL GLAZE   1K   5%   1/10W   R4221   1-216-039-00 METAL GLAZE   2K   5%   1/10W   R4221   1-216-039-00 METAL	R4222	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	R4281	1-216-663-11	METAL CHIP	3.3K	0.50%	61/10W
R4225 1-216-686-11 METAL CHIP 910 0.50%1/10W R4226 1-216-657-00 METAL GLAZE 2.2K 5% 1/10W R4226 1-216-651-11 METAL CHIP 910 0.50%1/10W R4228 1-216-041-00 METAL GLAZE 10K 5% 1/10W R4228 1-208-612-11 METAL CHIP 18K 0.50%1/10W R4228 1-216-041-00 METAL GLAZE 10K 5% 1/10W R4229 1-216-025-00 METAL GLAZE 10K 5% 1/10W R4229 1-216-025-00 METAL GLAZE 10K 5% 1/10W R4229 1-216-025-00 METAL GLAZE 10K 5% 1/10W R4229 1-216-030-00 METAL GLAZE 22K 5% 1/10W R4229 1-216-030-00 METAL GLAZE 22K 5% 1/10W R4229 1-216-030-00 METAL GLAZE 22K 5% 1/10W R4229 1-216-030-00 METAL GLAZE 10K 5% 1/10W R4220 1-216-030-00 METAL GLAZE 10K 5% 1/10W R4220 1-216-030-00 METAL GLAZE 10K 5% 1/10W R4220 1-216-030-00 METAL GLAZE 22K 5% 1/10W R4220 1-216-030-00 METAL GLAZE 10K 5% 1/10W R4220 1-216-030-00 METAL GLAZE 22K 5% 1/10W R4220 1-216-030-00 METAL GLAZE 10K 5% 1/10W R4220 1-216-030-00 METAL GLAZE 10K 5% 1/10W R4221 1-216-030-00 METAL GLAZE 22K 5% 1/10W R4221 1-216-030-00 METAL GLAZE 10K 5% 1/10W R4221 1-216-030-00 METAL GLAZE 22K 5% 1/10W R4221 1-216-030-00 METAL GLAZE 10K 5% 1/10W R4221 1-216-030-00	R4223	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	R4282	1-216-025-00	METAL GLAZE	100	5%	1/10W
R4226 1-216-680-11 METAL CHIP 910 0.50%1/10W R4228 1-216-041-00 METAL GLAZE 2K 5% 1/10W R4228 1-216-650-11 METAL CHIP 1K 0.50%1/10W R4228 1-216-049-00 METAL GLAZE 100 5% 1/10W R4228 1-216-049-00 METAL GLAZE 100 5% 1/10W R4228 1-216-049-00 METAL GLAZE 10K 5% 1/10W R4228 1-216-049-00 METAL GLAZE 10K 5% 1/10W R4231 1-206-085-00 METAL GLAZE 10K 5% 1/10W R4231 1-206-085-00 METAL GLAZE 10K 5% 1/10W R4231 1-216-049-00 METAL GLAZE 10K 5% 1/10W R4231 1-216-059-00 METAL GLAZE 2ZK 5% 1/10W R4231 1-216-059-00 METAL GLAZE 2ZK 5% 1/10W R4233 1-216-069-00 METAL GLAZE 2ZK 5% 1/10W R4233 1-216-069-00 METAL GLAZE 10K 5% 1/10W R4233 1-216-069-00 METAL GLAZE 10K 5% 1/10W R4233 1-216-069-00 METAL GLAZE 10K 5% 1/10W R4234 1-216-069-00 METAL GLAZE 10K 5% 1/10W R4234 1-216-069-00 METAL GLAZE 10K 5% 1/10W R4234 1-216-069-00 METAL GLAZE 10K 5% 1/10W R4234 1-216-069-00 METAL GLAZE 10K 5% 1/10W R4234 1-216-069-00 METAL GLAZE 10K 5% 1/10W R4234 1-216-069-00 METAL GLAZE 10K 5% 1/10W R4234 1-216-069-00 METAL GLAZE 10K 5% 1/10W R4234 1-216-069-00 METAL GLAZE 10K 5% 1/10W R4234 1-216-069-00 METAL GLAZE 10K 5% 1/10W R4234 1-216-069-00 METAL GLAZE 10K 5% 1/10W R4234 1-216-069-00 METAL GLAZE 10K 5% 1/10W R4234 1-216-069-00 METAL GLAZE 10K 5% 1/10W R4234 1-216-069-00 METAL GLAZE 10K 5% 1/10W R4234 1-216-069-00 METAL GLAZE 2ZK 5% 1/10W R4234 1-216-069-00 METAL GLAZE 2ZK 5% 1/10W R4234 1-216-069-00 METAL GLAZE 2ZK 5% 1/10W R4234 1-216-069-00 METAL GLAZE 10K 5% 1/10W R4234 1-216-069-00 METAL GLAZE 2ZK 5% 1/10W R4234 1-216-069-00 METAL GLAZE 10K 5% 1/10W R4234 1-216-069-00 METAL GLAZE 2ZK 5% 1/10W R4331 1-216-039-00 METAL GLAZE 10K 5% 1/10W R4236 1-216-069-00 METAL GLAZE 2ZK 5% 1/10W R4331 1-216-039-00 METAL GLAZE 10K 5% 1/10W R4331 1-216-039-00 MET	R4224	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W						
R4226 1-216-655-11 METAL CHIP 910 0.50%1/10W R4228 1-216-041-00 METAL GLAZE 170 5% 1/10W R4228 1-206-085-00 METAL GLAZE 10K 5% 1/10W R4229 1-216-025-00 METAL GLAZE 10K 5% 1/10W R4229 1-216-025-00 METAL GLAZE 10K 5% 1/10W R4229 1-216-035-00 METAL GLAZE 10K 5% 1/10W R4224 1-216-035-00 METAL GLAZE 10K 5% 1/10W R4231 1-216-035-00 METAL GLAZE 10K 5% 1/10W R4231 1-216-035-00 METAL GLAZE 10K 5% 1/10W R4231 1-216-035-00 METAL GLAZE 10K 5% 1/10W R4231 1-216-035-00 METAL GLAZE 10K 5% 1/10W R4231 1-216-035-00 METAL GLAZE 10K 5% 1/10W R4231 1-216-035-00 METAL GLAZE 10K 5% 1/10W R4231 1-216-035-00 METAL GLAZE 10K 5% 1/10W R4231 1-216-035-00 METAL GLAZE 10K 5% 1/10W R4231 1-216-035-00 METAL GLAZE 10K 5% 1/10W R4231 1-216-035-00 METAL GLAZE 10K 5% 1/10W R4231 1-216-035-00 METAL GLAZE 10K 5% 1/10W R4231 1-216-035-00 METAL GLAZE 10K 5% 1/10W R4231 1-216-035-00 METAL GLAZE 10K 5% 1/10W R4251 1-216-035-00 METAL GLAZE 10K 5% 1/10W R4251 1-216-035-00 ME				0.4	0 ====	4/4014						
RA228 1-216-65-11 METAL CHIP 18K 0.50% 1/10W R4289 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4299 1-216-025-00 METAL GLAZE 100 5% 1/10W R4289 1-216-049-00 METAL GLAZE 10K 5% 1/10W R4281 1-216-089-00 METAL GLAZE 10K 5% 1/10W R4281 1-216-085-00 METAL GLAZE 10K 5% 1/10W R4291 1-216-085-00 METAL GLAZE 10K 5% 1/10W R4293 1-216-085-00 METAL GLAZE 15K 5% 1/10W R4293 1-216-085-00 METAL GLAZE 22K 5% 1/10W R4293 1-216-085-00 METAL GLAZE 33K 5% 1/10W R4293 1-216-085-00 METAL GLAZE 32K 5% 1/10W R4293 1-216-085-00 METAL GLAZE 32K 5% 1/10W R4293 1-216-085-00 METAL GLAZE 32K 5% 1/10W R4293 1-216-085-00 METAL GLAZE 33K 5% 1/10W R4293 1-216-085-00 METAL GLAZE 10K 5% 1/10W R4294 1-216-083-00 METAL GLAZE 10K 5% 1/10W R4294 1-216-093-00 METAL GLAZE 10K 5% 1/10W R4294 1-216-093-00 METAL GLAZE 10K 5% 1/10W R4294 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4294 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4294 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4294 1-216-063-90 METAL GLAZE 10K 5% 1/10W R4295 1-216-063-90 METAL GLAZE 10K 5% 1/10W R4295 1-216-065-00 METAL GLAZE 20K 5% 1/10W R4295 1-216-065-00 METAL GLAZE 10K 5% 1/10W R4295 1-216-065-00 ME												
R4228 1-208-812-11 METAL CHIP 18K												
R4229 1-216-025-00 METAL GLAZE 100 5% 1/10W R4230 1-216-049-00 METAL GLAZE 1K 5% 1/10W R4231 1-206-806-11 METAL CHIP 10K 0.50% 1/10W R4231 1-216-085-00 METAL GLAZE 33X 5% 1/10W R4233 1-216-049-00 METAL GLAZE 1K 5% 1/10W R4233 1-216-053-00 METAL GLAZE 1K 5% 1/10W R4234 1-216-053-00 METAL GLAZE 1K 5% 1/10W R4235 1-216-081-00 METAL GLAZE 2ZK 5% 1/10W R4236 1-216-065-00 METAL GLAZE 4.7K 5% 1/10W R4239 1-216-055-00 METAL GLAZE 1K 5% 1/10W R4239 1-216-055-00 METAL GLAZE 2ZK 5% 1/10W R4239 1-216-055-00 METAL GLAZE 1K 5% 1/10W R4239 1-216-055-00 METAL GLAZE 2ZK 5% 1/10W R4239 1-216-055-00 METAL GLAZE 1K 5% 1/10W R4231 1-216-039-00 METAL GLAZE 1K 5% 1/10W R4241 1-216-039-00 METAL GLAZE 1K 5% 1/10W R4241 1-216-039-00 METAL GLAZE 1K 5% 1/10W R4242 1-216-039-00 METAL GLAZE 1K 5% 1/10W R4243 1-216-039-00 METAL GLAZE 1K 5% 1/10W R4244 1-216-039-00 METAL GLAZE 1K 5% 1/10W R4241 1-216-039-00 METAL GLAZE 1K 5% 1/10W R4242 1-216-039-00 METAL GLAZE 1K 5% 1/10W R4241 1-216-039-00 METAL GLAZE 1K 5% 1/10W R4241 1-216-039-00 METAL GLAZE 1K 5% 1/10W R4242 1-216-039-00 METAL GLAZE 1K 5% 1/10W R4243 1-216-039-00 METAL GLAZE 1K 5% 1/10W R4244 1-216-039-00 METAL GLAZE 1K 5% 1/10W R4245 1-216-039-00 METAL GLAZE 2X 5% 1/10W R4246 1-216-039-00 METAL GLAZE 2X 5% 1/10W R4249 1-216-039-00 METAL GLAZE 2X 5% 1/10W R4249 1-216-039-00 METAL GLAZE 2X 5% 1/10W R4249 1-216-039-00 METAL GLAZE 1.8K 5% 1/10W R4249 1-216-039-00 METAL GLAZE 2X 5% 1/10W R4249 1-216-039-00 METAL GLAZE 2X 5% 1/10W R4251 1-216-039-00 METAL GLAZE 2X 5% 1/10W R4251 1-216-039-00 METAL GLAZE 2X 5% 1/10W R4251 1-216-039-00 METAL GLAZE 2X 5% 1/10W R4251 1-216-039-00 METAL GLAZE 2X 5% 1/10W R4251 1-216-039-00 METAL GLAZE 2X 5% 1/10W R4251 1-216-039-00 METAL GLAZE 2X 5% 1/10W R4252 1-216-0509-00 METAL GLAZE 2X 5% 1/10W R4252 1-216-0509-00 METAL GLAZE 2X 5% 1/10W R4252 1-216												
R4291 1-216-049-00 METAL GLAZE 1K 5% 1/10W R4291 1-216-055-00 METAL GLAZE 1G 5% 1/10W R4291 1-216-055-00 METAL GLAZE 1G 5% 1/10W R4291 1-216-055-00 METAL GLAZE 1G 5% 1/10W R4291 1-216-055-00 METAL GLAZE 1G 5% 1/10W R4291 1-216-055-00 METAL GLAZE 1G 5% 1/10W R4291 1-216-055-00 METAL GLAZE 1G 5% 1/10W R4291 1-216-055-00 METAL GLAZE 1G 5% 1/10W R4291 1-216-055-00 METAL GLAZE 1G 5% 1/10W R4291 1-216-055-00 METAL GLAZE 1G 5% 1/10W R4291 1-216-055-00 METAL GLAZE 1G 5% 1/10W R4291 1-216-055-00 METAL GLAZE 2GK 5% 1/10W R4291 1-216-055-00 METAL GLAZE 2GK 5% 1/10W R4291 1-216-055-00 METAL GLAZE 2GK 5% 1/10W R4291 1-216-055-00 METAL GLAZE 2GK 5% 1/10W R4291 1-216-055-00 METAL GLAZE 1G 6% 1/10W R4291 1-216-055-00 ME							R4287	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R4230 1-216-049-00 METAL GLAZE 1K	H4229	1-216-025-00	METAL GLAZE	100	5%	1/10W	D4200	1.216.041.00	METAL CLAZE	470	E0/	1/10/4/
R4231 1-208-806-11 METAL CHIP 10K	D4000	1 010 040 00	METAL CLAZE	11/	E0/	1/10M						
R4232 1-216-085-00 METAL GLAZE 33K 5% 1/10W R4233 1-216-034-00 METAL GLAZE 1K 5% 1/10W R4293 1-216-066-11 METAL CHIP 4.3K 0.50% 1/10W R4293 1-216-065-00 METAL GLAZE 22K 5% 1/10W R4293 1-216-065-00 METAL GLAZE 22K 5% 1/10W R4293 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R4293 1-216-063-91 METAL GLAZE 2.2K 5% 1/10W R4293 1-216-063-91 METAL GLAZE 2.2K 5% 1/10W R4293 1-216-063-90 METAL GLAZE 2.7K 5% 1/10W R4293 1-216-063-90 METAL GLAZE 2.7K 5% 1/10W R4294 1-216-057-00 METAL GLAZE 2.7K 5% 1/10W R4294 1-216-039-00 METAL GLAZE 1K 5% 1/10W R4294 1-216-039-00 METAL GLAZE 2.7K 5% 1/10W R4294 1-216-039-00 METAL GLAZE 2.7K 5% 1/10W R4294 1-216-039-00 METAL GLAZE 2.7K 5% 1/10W R4294 1-216-039-00 METAL GLAZE 1.5K 5% 1/10W R4294 1-216-039-10 METAL GLAZE 1.5K 5% 1/10W R4295 1-216-039-10 METAL GLAZE 1.5K 5% 1/10W R4295 1-216-039-10 METAL GLAZE 2.7K 5% 1/10W R4295 1-216-039-00 METAL GLAZE 2.7K 5% 1/10W R4295 1-216-039-00 METAL GLAZE 2.7K 5% 1/10W R4295 1-216-039-00 METAL GLAZE 1.5K 5% 1/10W R4295 1-216-039-00 METAL GLAZE 2.2K 5% 1/10W R												
R4233 1-216-049-00 METAL GLAZE 1.K 5% 1/10W R4294 1-216-053-00 METAL GLAZE 2.K 5% 1/10W R4295 1-216-065-00 METAL GLAZE 2.K 5% 1/10W R4295 1-216-057-00 METAL GLAZE 2.K 5% 1/10W R4293 1-216-057-00 METAL GLAZE 2.K 5% 1/10W R4293 1-216-057-00 METAL GLAZE 2.K 5% 1/10W R4293 1-216-065-00 METAL GLAZE 2.K 5% 1/10W R4293 1-216-065-00 METAL GLAZE 2.K 5% 1/10W R4293 1-216-063-91 METAL GLAZE 1.K 5% 1/10W R4291 1-216-057-00 METAL GLAZE 2.K 5% 1/10W R4291 1-216-063-90 METAL GLAZE 1.K 5% 1/10W R4294 1-216-073-00 METAL GLAZE 1.K 5% 1/10W R4294 1-216-073-00 METAL GLAZE 1.K 5% 1/10W R4294 1-216-063-90 METAL GLAZE 1.K 5% 1/10W R4294 1-216-063-90 METAL GLAZE 1.K 5% 1/10W R4294 1-216-063-90 METAL GLAZE 1.K 5% 1/10W R4294 1-216-063-91 METAL GLAZE 1.K 5% 1/10W R4294 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4295 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4295 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4295 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4295 1-216-063-90 METAL GLAZE 1.K 5% 1/10W R4295 1-216-063-90 METAL GLAZE 3.9K 5% 1/10W R												
R4224 1-216-053-00 METAL GLAZE 1.5K 5% 1/10W R4235 1-216-081-00 METAL GLAZE 22K 5% 1/10W R4236 1-216-065-00 METAL GLAZE 22K 5% 1/10W R4237 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R4238 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R4238 1-216-049-00 METAL GLAZE 1.6K 5% 1/10W R4239 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4239 1-216-063-91 METAL GLAZE 1.6K 5% 1/10W R4240 1-216-049-00 METAL GLAZE 1.6K 5% 1/10W R4241 1-216-049-00 METAL GLAZE 1.6K 5% 1/10W R4241 1-216-049-00 METAL GLAZE 1.6K 5% 1/10W R42421 1-216-049-00 METAL GLAZE 1.6K 5% 1/10W R42421 1-216-049-00 METAL GLAZE 1.6K 5% 1/10W R42424 1-216-049-00 METAL GLAZE 1.6K 5% 1/10W R4242 1-216-049-00 METAL GLAZE 1.6K 5% 1/10W R4242 1-216-049-00 METAL GLAZE 1.6K 5% 1/10W R4242 1-216-049-00 METAL GLAZE 1.6K 5% 1/10W R4242 1-216-049-00 METAL GLAZE 1.6K 5% 1/10W R4242 1-216-053-00 METAL GLAZE 1.6K 5% 1/10W R4242 1-216-063-00 METAL GLAZE 1.6K 5% 1/10W R4248 1-216-063-00 METAL GLAZE 2.2K 5% 1/10W R4248 1-216-063-00 METAL GLAZE 2.2K 5% 1/10W R4248 1-216-063-00 METAL GLAZE 3.9K 5% 1/10W R4248 1-216-063-00 METAL GLAZE 3.9K 5% 1/10W R4248 1-216-063-00 METAL GLAZE 3.9K 5% 1/10W R4248 1-216-063-00 METAL GLAZE 1.6K 5% 1/10W R4249 1-216-063-00 METAL GLAZE 1.6K 5% 1/10W R4249 1-216-069-00 METAL GLAZE 1.6K 5% 1/10W R4249 1-216-069-00 METAL GLAZE 1.6K 5% 1/10W R4251 1-216-069-00 METAL GLAZE 1.6K 5% 1/10W R4251 1-216-069-00 METAL GLAZE 1.6K 5% 1/10W R4252 1-216-059-00 METAL GLAZE 1.6K 5% 1/10W R4253 1-216-059-00 METAL GLAZE 1.6K 5% 1/10W R4254 1-216-049-00 METAL GLAZE 1.6K 5% 1/10W R4255 1-216-059-00 METAL GLAZE 2.2K 5% 1/10W R4256 1-216-059-00 METAL GLAZE 2.2K 5% 1/10W R4251 1-216-049-00 METAL GLAZE 3.9K 5% 1/10W R4252 1-216-059-00 METAL GLAZE 2.2K 5% 1/10W R4253 1-216-059-00 METAL GLAZE 2.2K 5% 1/10W R4254 1-216-049-00 METAL GLAZE 3.9K 5% 1/10W R4255 1-216-059-00 METAL GLAZE 2.2K 5% 1/10W R4256 1-216-059-00 METAL GLAZE 2.2K 5% 1/10W R4251 1-216-049-00 METAL GLAZE 2.2K 5% 1/10W R4252 1-216-059-00 METAL GLAZE 2.2K 5% 1/10W R4252 1-216-059-00 METAL GLAZE 2.2K 5% 1/10W R4252 1-216-059-00 M												
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R4235 1-216-061-00 METAL GLAZE 22K 5% 1/10W R4296 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R4296 1-216-056-01 METAL GLAZE 2.2K 5% 1/10W R4296 1-216-056-01 METAL GLAZE 2.2K 5% 1/10W R4296 1-216-056-00 METAL GLAZE 3.9K 5% 1/10W R4297 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R4299 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R4290 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R4291 1-216-049-00 METAL GLAZE 2.7K 5% 1/10W R4291 1-216-049-00 METAL GLAZE 2.7K 5% 1/10W R4291 1-216-049-00 METAL GLAZE 1 K 5% 1/10W R4291 1-216-049-00 METAL GLAZE 1 K 5% 1/10W R4291 1-216-059-00 METAL GLAZE 2.2K 5% 1/10W R4291 1-216-059-00 METAL GLAZE 1 K 5% 1/10W R4301 1-216-041-00 METAL GLAZE 2.7K 5% 1/10W R4291 1-216-059-00 METAL GLAZE 1 C S 5% 1/10W R4291 1-216-059-00 METAL GLAZE 3.9K 5% 1/10W R4291 1-216-059-00 METAL GLAZE 3.9K 5% 1/10W R4291 1-216-069-00 METAL GLAZE 3.9K 5% 1/10W R4291 1-216-069-00 METAL GLAZE 3.9K 5% 1/10W R4291 1-216-059-00 METAL GL	H4234	1-216-053-00	METAL GLAZE	1.5K	376	1/1044	D4203	1-216-645-11	METAL CHID	560	0.50%	1/10//
R4236 1-216-065-00 METAL GLAZE 4,7K 5% 1/10W R4295 1-216-057-00 METAL GLAZE 2,2K 5% 1/10W R4293 1-216-049-00 METAL GLAZE 1 K 5% 1/10W R4293 1-216-063-91 METAL GLAZE 1 K 5% 1/10W R4293 1-216-063-91 METAL GLAZE 1 K 5% 1/10W R4293 1-216-049-00 METAL GLAZE 1 K 5% 1/10W R4241 1-216-039-00 METAL GLAZE 1 K 5% 1/10W R4241 1-216-039-00 METAL GLAZE 1 K 5% 1/10W R4242 1-216-049-00 METAL GLAZE 1 K 5% 1/10W R4243 1-216-073-00 METAL GLAZE 1 K 5% 1/10W R4244 1-216-073-00 METAL GLAZE 1 K 5% 1/10W R4243 1-216-073-00 METAL GLAZE 1 K 5% 1/10W R4243 1-216-073-00 METAL GLAZE 1 K 5% 1/10W R4243 1-216-073-00 METAL GLAZE 2 C K 5% 1/10W R4249 1-216-039-00 METAL GLAZE 1 K 5% 1/10W R4249 1-216-039-00 METAL GLAZE 3,9K 5% 1/10W R4249 1-216-063-91 METAL GLAZE 3,9K 5% 1/10W R4249 1-216-063-91 METAL GLAZE 1 K 5% 1/10W R4251 1-216-063-91 METAL GLAZE 1 BK 5% 1/10W R4251 1-216-063-91 METAL GLAZE 1 BK 5% 1/10W R4251 1-216-063-91 METAL GLAZE 1 BK 5% 1/10W R4251 1-216-059-00 METAL GLAZE 2 C K 5% 1/10W R4251 1-216-059-00 METAL GLAZE 2 C K 5% 1/10W R4251 1-216-059-00 METAL GLAZE 1 BK 5% 1/10W R4251 1-216-059-00 METAL GLAZE 1 BK 5% 1/10W R4251 1-216-059-00 METAL GLAZE 1 BK 5% 1/10W R4251 1-216-059-00 METAL GLAZE 2 C K 5% 1/10W R4251 1-216-059-00 METAL GLAZE 2 C K 5% 1/10W R4251 1-216-059-00 METAL GLAZE 2 C K 5% 1/10W R4251 1-216-059-00 METAL GLAZE 2 C K 5% 1/10W R4251 1-216-059-00 METAL GLAZE 2 C K 5% 1/10W R4251 1-216-059-00 METAL GLAZE 2 C K 5% 1/10W R4251 1-216-059-00 METAL GLAZE 2 C K 5% 1/10W R4251 1-216-059-00 METAL GLAZE 2 C K 5% 1/10W R4251 1-216-059-00 METAL GLAZE 2 C K 5% 1/10W R4251 1-216-059-00 METAL GLAZE 2 C K 5% 1/10W R4251 1-216-059-00 METAL GLAZE 2 C K 5% 1/10W R4251 1-216-059-00 METAL GLAZE 2 C K 5% 1/10W R4251 1-216-059-00 METAL GLAZE 2 C K 5% 1/10W R4251 1-216-059-00 METAL GLAZE 2 C K 5% 1/10W R4251 1-216-059-00 METAL GLAZE 2 C K 5% 1/10W R4261 1-216-059-00 METAL GLAZE 2 C K 5% 1/10W R4261 1-216-059-00	DAGGE	1 216 001 00	METAL CLAZE	224	59/	1/10W						
R4237 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R4296 1-216-666-11 METAL CHIP 560 0.50% 1/10W R4293 1-216-063-91 METAL GLAZE 1K 5% 1/10W R4297 1-216-645-11 METAL CHIP 560 0.50% 1/10W R4240 1-216-049-00 METAL GLAZE 1K 5% 1/10W R4241 1-216-049-00 METAL GLAZE 27K 5% 1/10W R4242 1-216-049-00 METAL GLAZE 27K 5% 1/10W R4242 1-216-049-00 METAL GLAZE 1K 5% 1/10W R4244 1-216-039-00 METAL GLAZE 10K 5% 1/10W R4244 1-216-039-00 METAL GLAZE 10K 5% 1/10W R4246 1-216-053-00 METAL GLAZE 2 2K 5% 1/10W R4246 1-216-053-00 METAL GLAZE 1,5K 5% 1/10W R4248 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4248 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4249 1-216-053-00 METAL GLAZE 10K 5% 1/10W R4249 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4250 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4251 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4251 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4251 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4251 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4251 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4251 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4251 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4251 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4251 1-216-063-90 METAL GLAZE 3.9K 5% 1/10W R4251 1-216-063-90 METAL GLAZE 3.9K 5% 1/10W R4251 1-216-063-90 METAL GLAZE 3.9K 5% 1/10W R4351 1-216-057-00 METAL GLAZE 10K 5% 1/10W R4251 1-216-063-90 METAL GLAZE 3.9K 5% 1/10W R4351 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4256 1-216-093-00 METAL GLAZE 2.2K 5% 1/10W R4351 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4256 1-216-093-00 METAL GLAZE 2.2K 5% 1/10W R4351 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4261 1-216-039-00 METAL GLAZE 2.2K 5% 1/10W R4360 1-216-039-00 METAL GLAZE 2.2K 5% 1/10W R4360 1-216-039-00 METAL GLAZE 2.2K 5% 1/1												
R4238 1-216-049-00 METAL GLAZE 1K 5% 1/10W R4297 1-216-645-11 METAL CHIP 560 0.50% 1/10W R4239 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4298 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R4240 1-216-083-00 METAL GLAZE 1K 5% 1/10W R4299 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R4241 1-216-083-00 METAL GLAZE 1K 5% 1/10W R4300 1-216-041-00 METAL GLAZE 2.2K 5% 1/10W R4242 1-216-049-00 METAL GLAZE 1K 5% 1/10W R4301 1-216-666-11 METAL CHIP 4.3K 0.50% 1/10W R4242 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4302 1-216-645-11 METAL CHIP 560 0.50% 1/10W R4244 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4303 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4246 1-216-083-00 METAL GLAZE 2.2K 5% 1/10W R4246 1-216-039-00 METAL GLAZE 3.9K 5% 1/10W R4305 1-216-073-00 METAL GLAZE 477 5% 1/10W R4248 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4305 1-216-039-00 METAL GLAZE 47K 5% 1/10W R4249 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4306 1-216-089-00 METAL GLAZE 47K 5% 1/10W R4250 1-216-069-00 METAL GLAZE 3.9K 5% 1/10W R4308 1-216-073-00 METAL GLAZE 47K 5% 1/10W R4251 1-216-063-90 METAL GLAZE 5.8K 5% 1/10W R4308 1-216-073-00 METAL GLAZE 47K 5% 1/10W R4252 1-216-065-00 METAL GLAZE 2.2K 5% 1/10W R4308 1-216-073-00 METAL GLAZE 3.9K 5% 1/10W R4308 1-216-073-00 METAL GLAZE 3.9K 5% 1/10W R4309 1-216-010-00 METAL GLAZE 3.9K 5% 1/10W R4309 1-216-010-00 METAL GLAZE 3.0K 5% 1/10W R4309 1-216-010-00 METAL GLAZE 3.0K 5% 1/10W R4313 1-216-073-00 METAL GLAZE 3.0K 5% 1/10W R4251 1-216-065-00 METAL GLAZE 56K 5% 1/10W R4318 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4256 1-216-059-00 METAL GLAZE 56K 5% 1/10W R4319 1-216-081-00 METAL GLAZE 10K 5% 1/10W R4256 1-216-059-00 METAL GLAZE 2.2K 5% 1/10W R4319 1-216-081-00 METAL GLAZE 10K 5% 1/10W R4256 1-216-059-00 METAL GLAZE 2.2K 5% 1/10W R4319 1-216-031-00 METAL GLAZE 10K 5% 1/10W R4256 1-216-059-00 METAL GLAZE 2.2K 5% 1/10W R4319 1-216-031-00 METAL GLAZE 10K 5% 1/10W R4256 1-216-059-00 METAL GLAZE 2.2K 5% 1/10W R4319 1-216-031-00 METAL GLAZE 10K 5% 1/10W R4256 1-216-059-00 METAL GLAZE 2.2K 5% 1/10W R4326 1-216-035-00 METAL GLAZE 10K 5% 1/												
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R4243 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4244 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4244 1-216-073-00 METAL GLAZE 22K 5% 1/10W R4245 1-216-081-00 METAL GLAZE 22K 5% 1/10W R4246 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4247 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4248 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4249 1-216-063-90 METAL GLAZE 10K 5% 1/10W R4249 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4250 1-216-069-00 METAL GLAZE 6.8K 5% 1/10W R4251 1-216-063-90 METAL GLAZE 3.9K 5% 1/10W R4252 1-216-063-91 METAL GLAZE 1.8K 5% 1/10W R4252 1-216-063-90 METAL GLAZE 3.9K 5% 1/10W R4253 1-216-059-00 METAL GLAZE 1.8K 5% 1/10W R4253 1-216-059-00 METAL GLAZE 2.2K 5% 1/10W R4254 1-216-063-90 METAL GLAZE 2.2K 5% 1/10W R4255 1-216-059-00 METAL GLAZE 2.2K 5% 1/10W R4255 1-216-059-00 METAL GLAZE 2.2K 5% 1/10W R4256 1-216-059-00 METAL GLAZE 2.2K 5% 1/10W R4256 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4260 1-216-061-00 METAL GLAZE 2.0K 5% 1/10W R4261 1-216-033-00 METAL GLAZE 2.0K 5% 1/10W R4262 1-216-059-00 METAL GLAZE 2.0K 5% 1/10W R4262 1-216-061-00 METAL GLAZE 2.0K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 2.0K 5% 1/10W							R4301	1-216-666-11	METAL CHIP	4.3K		
R4244 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4245 1-216-081-00 METAL GLAZE 22K 5% 1/10W R4246 1-216-053-00 METAL GLAZE 22K 5% 1/10W R4246 1-216-053-00 METAL GLAZE 1.5K 5% 1/10W R4247 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4248 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4249 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4249 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4250 1-216-069-00 METAL GLAZE 6.8K 5% 1/10W R4251 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4252 1-216-055-00 METAL GLAZE 1.8K 5% 1/10W R4252 1-216-055-00 METAL GLAZE 1.8K 5% 1/10W R4253 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R4254 1-216-059-00 METAL GLAZE 1K 5% 1/10W R4255 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R4256 1-216-059-00 METAL GLAZE 56K 5% 1/10W R4256 1-216-059-00 METAL GLAZE 2.2K 5% 1/10W R4257 1-216-057-00 METAL GLAZE 3.3K 5% 1/10W R4268 1-216-059-00 METAL GLAZE 2.2K 5% 1/10W R4261 1-216-033-00 METAL GLAZE 3.3K 5% 1/10W R4261 1-216-033-00 METAL GLAZE 2.2K 5% 1/10W R4261 1-216-031-00 METAL GLAZE 2.2K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 2.2K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 3.3K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 3.3K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 2.2K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 3.3K 5% 1/10W R4261 1-216-039-00 METAL GLAZE 2.2K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 2.2K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 2.2K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 2.0K 5% 1/10W												
R4245 1-216-081-00 METAL GLAZE 22K 5% 1/10W R4305 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4249 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4305 1-216-089-00 METAL GLAZE 47K 5% 1/10W R4249 1-216-073-00 METAL GLAZE 3.9K 5% 1/10W R4307 1-208-806-11 METAL GLAZE 47K 5% 1/10W R4249 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4250 1-216-063-91 METAL GLAZE 6.8K 5% 1/10W R4251 1-216-063-90 METAL GLAZE 3.9K 5% 1/10W R4251 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4252 1-216-055-00 METAL GLAZE 3.9K 5% 1/10W R4253 1-216-055-00 METAL GLAZE 3.9K 5% 1/10W R4253 1-216-055-00 METAL GLAZE 1.8K 5% 1/10W R4313 1-216-073-00 METAL GLAZE 3.5K 5% 1/10W R4315 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4254 1-216-049-00 METAL GLAZE 1.K 5% 1/10W R4315 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4256 1-216-091-00 METAL GLAZE 2.7K 5% 1/10W R4316 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4259 1-216-057-00 METAL GLAZE 2.7K 5% 1/10W R4320 1-216-055-00 METAL GLAZE 2.2K 5% 1/10W R4316 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4319 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4320 1-216-055-00 METAL GLAZE 2.2K 5% 1/10W R4320 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4321 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4320 1-216-061-00 METAL GLAZE 2.2K 5% 1/10W R4321 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4320 1-216-061-00 METAL GLAZE 2.2K 5% 1/10W R4320 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4320 1-216-061-00 METAL GLAZE 2.0K 5% 1/10W R4320 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4320 1-216-061-00 METAL GLAZE 2.0K 5% 1/10W R4321 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4320 1-216-061-00 METAL GLAZE 2.0K 5% 1/10W R4320 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4320 1-216-061-00 METAL GLAZE 2.0K 5% 1/10W R4320 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4320 1-216-061-00 METAL GLAZE 2.0K 5% 1/10W R4320 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4320 1-216-059-00 METAL GLAZE 10K 5% 1/10W R4320 1-216-059-00 METAL GLAZE 10K 5% 1/10W R4320 1-216-059-00 METAL GLAZE 10K 5% 1/10W	R4244	1-216-073-00	METAL GLAZE	10K	5%	1/10W						
R4246 1-216-053-00 METAL GLAZE 1.5K 5% 1/10W R4305 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4247 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4306 1-216-089-00 METAL GLAZE 47K 5% 1/10W R4248 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4307 1-208-806-11 METAL CHIP 10K 0.50% 1/10W R4249 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4308 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R4250 1-216-063-91 METAL GLAZE 6.8K 5% 1/10W R4309 1-216-057-00 METAL GLAZE 470K 5% 1/10W R4251 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4313 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4252 1-216-055-00 METAL GLAZE 1.8K 5% 1/10W R4313 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4253 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R4314 1-216-085-00 METAL GLAZE 10K 5% 1/10W R4254 1-216-049-00 METAL GLAZE 11K 5% 1/10W R4315 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4255 1-216-091-00 METAL GLAZE 2.7K 5% 1/10W R4318 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4256 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R4319 1-216-081-00 METAL GLAZE 10K 5% 1/10W R4259 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R4319 1-216-059-00 METAL GLAZE 10K 5% 1/10W R4260 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4320 1-216-025-00 METAL GLAZE 100 5% 1/10W R4261 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4321 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4326 1-216-061-00 METAL GLAZE 2.0K 5% 1/10W R4323 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4323 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4326 1-216-061-00 METAL GLAZE 2.0K 5% 1/10W R4326 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4326 1-216-061-00 METAL GLAZE 2.0K 5% 1/10W R4326 1-216-073-00 METAL GLAZE 10K 5% 1/10W							R4303	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R4247 1-216-063-91 METAL GLAZE 3.9K	R4245	1-216-081-00	METAL GLAZE	22K	5%	1/10W					5%	1/10W
R4248 1-216-063-91 METAL GLAZE 3.9K	R4246	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	R4305	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R4249 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4250 1-216-069-00 METAL GLAZE 6.8K 5% 1/10W R4251 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4252 1-216-055-00 METAL GLAZE 1.8K 5% 1/10W R4253 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R4254 1-216-057-00 METAL GLAZE 1K 5% 1/10W R4255 1-216-091-00 METAL GLAZE 56K 5% 1/10W R4256 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4257 1-216-057-00 METAL GLAZE 2.7K 5% 1/10W R4259 1-216-060-11 METAL GLAZE 2.2K 5% 1/10W R4259 1-216-061-00 METAL GLAZE 2.2K 5% 1/10W R4260 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4261 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4263 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4263 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4263 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 3.3K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 3.3K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4326 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4326 1-216-059-00 METAL GLAZE 10K 5% 1/10W R4326 1-216-073-00 METAL GLAZE 10K 5% 1/10W	R4247	1-216-063-91	METAL GLAZE	3.9K	5%	1/10W	R4306	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R4250 1-216-069-00 METAL GLAZE 6.8K 5% 1/10W R4251 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4252 1-216-055-00 METAL GLAZE 1.8K 5% 1/10W R4253 1-216-055-00 METAL GLAZE 2.2K 5% 1/10W R4254 1-216-049-00 METAL GLAZE 1.8K 5% 1/10W R4255 1-216-091-00 METAL GLAZE 56K 5% 1/10W R4256 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4257 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R4259 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R4259 1-216-060-11 METAL GLAZE 2.2K 5% 1/10W R4260 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4261 1-216-033-00 METAL GLAZE 2.0K 5% 1/10W R4263 1-216-039-00 METAL GLAZE 3.3K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 3.3K 5% 1/10W R4263 1-216-061-00 METAL GLAZE 2.0K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 2.0K 5% 1/10W R4264 1-216-059-00 METAL GLAZE 2.0K 5% 1/10W R4265 1-216-059-00 METAL GLAZE 2.0K 5% 1/10W R4266 1-216-059-00 METAL GLAZE 2.0K 5% 1/10W R4267 1-216-059-00 METAL GLAZE 2.0K 5% 1/10W R4268 1-216-059-00 METAL GLAZE 2.0K 5% 1/10W R4269 1-216-059-00 METAL GLAZE 2.0K 5% 1/10W R4269 1-216-059-00 METAL GLAZE 2.0K 5% 1/10W R4269 1-216-059-00 METAL GLAZE 2.0K 5% 1/10W							R4307	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R4250 1-216-069-00 METAL GLAZE 6.8K 5% 1/10W R4251 1-216-063-91 METAL GLAZE 3.9K 5% 1/10W R4252 1-216-055-00 METAL GLAZE 1.8K 5% 1/10W R4253 1-216-055-00 METAL GLAZE 2.2K 5% 1/10W R4254 1-216-049-00 METAL GLAZE 1.K 5% 1/10W R4255 1-216-091-00 METAL GLAZE 56K 5% 1/10W R4256 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4257 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R4259 1-216-660-11 METAL GLAZE 2.2K 5% 1/10W R4260 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4261 1-216-033-00 METAL GLAZE 3.3K 5% 1/10W R4262 1-216-061-00 METAL GLAZE 2.0K 5% 1/10W R4263 1-216-061-00 METAL GLAZE 2.0K 5% 1/10W R4319 1-216-025-00 METAL GLAZE 100 5% 1/10W R4263 1-216-061-00 METAL GLAZE 2.0K 5% 1/10W R4320 1-216-025-00 METAL GLAZE 100 5% 1/10W R4263 1-216-061-00 METAL GLAZE 2.0K 5% 1/10W R4324 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4323 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4323 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4323 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4323 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4323 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4323 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4323 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4323 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4323 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4326 1-2	R4249	1-216-073-00	METAL GLAZE	10K	5%	1/10W	Bicco	4 040 055 15	METAL OF SE	0.017	FC'	444
R4251 1-216-063-91 METAL GLAZE 3.9K	D/			0.017	Ē0/	4/4075						
R4252 1-216-055-00 METAL GLAZE 1.8K												
R4253 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R4254 1-216-049-00 METAL GLAZE 1K 5% 1/10W R4255 1-216-091-00 METAL GLAZE 56K 5% 1/10W R4256 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4257 1-216-059-00 METAL GLAZE 2.2K 5% 1/10W R4259 1-216-660-11 METAL CHIP 2.4K 0.50% 1/10W R4260 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4261 1-216-033-00 METAL GLAZE 220 5% 1/10W R4263 1-216-061-00 METAL GLAZE 2.7K 5% 1/10W R4263 1-216-061-00 METAL GLAZE 2.7K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4264 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4265 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4266 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4267 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4326 1-216-059-00 CONDUCTOR, CHIP												
R4254 1-216-049-00 METAL GLAZE 1K 5% 1/10W R4255 1-216-091-00 METAL GLAZE 56K 5% 1/10W R4256 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4257 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R4259 1-216-660-11 METAL CHIP 2.4K 0.50% 1/10W R4260 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4261 1-216-033-00 METAL GLAZE 220 5% 1/10W R4262 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 3.3K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4264 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4265 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4266 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4267 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4268 1-216-059-00 CONDUCTOR, CHIP												
R4255 1-216-091-00 METAL GLAZE 56K 5% 1/10W R4256 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4257 1-216-059-00 METAL GLAZE 2.2K 5% 1/10W R4259 1-216-061-00 METAL GLAZE 2.2K 5% 1/10W R4260 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4261 1-216-033-00 METAL GLAZE 220 5% 1/10W R4324 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4263 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4324 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4263 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4324 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4263 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4324 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4326 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4326 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4326 1-216-295-00 CONDUCTOR, CHIP							H4315	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R4255 1-216-091-00 METAL GLAZE 56K 5% 1/10W R4256 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4257 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R4259 1-216-061-00 METAL CHIP 2.4K 0.50% 1/10W R4260 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4261 1-216-033-00 METAL GLAZE 220 5% 1/10W R4262 1-216-061-00 METAL GLAZE 220 5% 1/10W R4263 1-216-059-00 METAL GLAZE 3.3K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4318 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4319 1-216-081-00 METAL GLAZE 100 5% 1/10W R4320 1-216-025-00 METAL GLAZE 100 5% 1/10W R4321 1-216-025-00 METAL GLAZE 100 5% 1/10W R4323 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4324 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4326 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4326 1-216-0295-00 CONDUCTOR, CHIP	H4254	1-216-049-00	METAL GLAZE	1K	5%	1/10W	D4040	1 010 070 00	METAL OF ASS	101/	Ec/	4/4012
R4256 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4257 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R4259 1-216-660-11 METAL CHIP 2.4K 0.50% 1/10W R4260 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4261 1-216-033-00 METAL GLAZE 220 5% 1/10W R4323 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4262 1-216-061-00 METAL GLAZE 220 5% 1/10W R4324 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4263 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4324 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4326 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4326 1-216-295-00 CONDUCTOR, CHIP	DAGEE	1.216.001.00	METAL CLAZE	56V	E9/	1/1014/						
R4257 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R4259 1-216-660-11 METAL CHIP 2.4K 0.50% 1/10W R4260 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4261 1-216-033-00 METAL GLAZE 220 5% 1/10W R4262 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4263 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 3.3K 5% 1/10W R4324 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4326 1-216-295-00 CONDUCTOR, CHIP												
R4259 1-216-660-11 METAL CHIP 2.4K 0.50%1/10W R4260 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4261 1-216-033-00 METAL GLAZE 220 5% 1/10W R4262 1-216-061-00 METAL GLAZE 220 5% 1/10W R4262 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4326 1-216-295-00 CONDUCTOR, CHIP 5% 1/10W												
R4260 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4261 1-216-033-00 METAL GLAZE 220 5% 1/10W R4262 1-216-061-00 METAL GLAZE 230 5% 1/10W R4263 1-216-059-00 METAL GLAZE 3.3K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4264 1-216-059-00 CONDUCTOR, CHIP												
R4261 1-216-033-00 METAL GLAZE 220 5% 1/10W R4262 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W							T4321	1-210-025-00	WE TAL GLAZE	100	3%	1/1000
R4261 1-216-033-00 METAL GLAZE 220 5% 1/10W R4262 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4263 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4326 1-216-295-00 CONDUCTOR, CHIP 5% 1/10W	M420U	1-210-001-00	WE TAL GLAZE	J.JN	J /6	1/1044	BASSS	1-216-072-00	METAL CLAZE	10K	5%	1/10\\
R4262 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R4325 1-216-073-00 METAL GLAZE 10K 5% 1/10W R4326 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4326 1-216-295-00 CONDUCTOR, CHIP	D40e4	1 016 000 00	METALOLAZE	220	<b>5</b> 9/	1/1014/						
R4263 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R4326 1-216-295-00 CONDUCTOR, CHIP												
											J /0	1/1044
11-200 1-210-000-00 METAL GLAZE 2./N 576 1/10W   1402/ 1-210-290-00 CONDUCTOR, CRIP												
	117200	1-210-009-00	INETAL GLAZE	L./ I\	J /0	1/1044	N402/	1-210-295-00	CONDUCTOR, (	או זור		

The components identified by shading and mark \( \frac{\Lambda}{\text{ are critical for safety.}} \)
Replace only with part number specified.



REF.NO	PART NO.	DESCRIPTIO	N	R	EMARK	REF.NC	. PART NO.	DESCRIPTION	1	R	EMARK
D4328	1.216.205.00	CONDUCTOR,	CHIB				* A_10/11-055-A	F2 BOARD, CO	MOLETE		
							H-1241-200-A	72 BOARD, CO			
		CONDUCTOR,				1					
		CONDUCTOR,									
		CONDUCTOR,									
R4332	1-216-049-00	METAL GLAZE	1K	5%	1/10W						
							<capacitor< td=""><td>₹&gt;</td><td></td><td></td><td></td></capacitor<>	₹>			
R4333	1-216-049-00	METAL GLAZE	1K	5%	1/10W						
R4334	1-216-049-00	METAL GLAZE	1K	5%	1/10W	C651 2	1-136-519-12	FILM	0.47MF	20%	300V
R4335	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	C652 4	1-136-518-12	FILM	0.33MF	20%	300V
R4336	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W		1-107-670-41		10MF		400V
R4337	1-216-075-00	METAL GLAZE	12K	5%	1/10W		1-126-967-11		47MF		50V
	. 2.0 0.0 00			0,0	.,		1-126-968-11		100MF	20%	
B4338	1-216-049-00	METAL GLAZE	1K	5%	1/10W	000,	, ,20 000 ,,		1001111	20 70	001
		METAL GLAZE		5%	1/10W	C658	1-126-951-11	FLECT	470MF	20%	35V
		METAL GLAZE		5%	1/10W		1-104-665-11		100MF	20%	
		METAL GLAZE		5%	1/10W	C660	1-104-664-11		47MF	20%	
		METAL GLAZE			1/10W	C661			47MF		
N4342	1-216-001-00	WETAL GLAZE	10	5%	1/1044	Access to the Contract of the				20%	
D4040	4 040 077 00	METAL OLAZE	451/	<b>5</b> 0/	4/4014/	C0042	<u> 1-113-893-51</u>	CENAMIC	0.0047MF	20%	25U V
		METAL GLAZE		5%	1/10W					10020202020	**************
		METAL GLAZE		5%	1/10W	555555555555555555555	1-113-924-11		0.0047MF		
		METAL GLAZE		5%	1/10W	2012 CARREST CARREST CO.	1-113-893-51		0.0047MF		
		METAL GLAZE		5%	1/10W		1-113-924-11	000000000000000000000000000000000000000	0.0047MF		
R4347	1-216-075-00	METAL GLAZE	12K	5%	1/10W	1	1-164-644-11		330pF		500V
						C668	1-164-644-11	CERAMIC	330pF	10%	500V
R4348	1-216-049-00	METAL GLAZE	1K	5%	1/10W						
R4349	1-216-001-00	METAL GLAZE	10	5%	1/10W						
R4350	1-216-049-00	METAL GLAZE	1K	5%	1/10W		<connecto< td=""><td>OR&gt;</td><td></td><td></td><td></td></connecto<>	OR>			
R4351	1-216-049-00	METAL GLAZE	1K	5%	1/10W						
R4352	1-216-001-00	METAL GLAZE	10	5%	1/10W	CN6501	*1-691-291-11	PIN, CONNECT	OR (PC BO	ARD)	5P
								PLUG, CONNEC		,	
R4353	1-216-077-00	METAL GLAZE	15K	5%	1/10W			PIN, CONNECT		B)	
		METAL GLAZE		5%	1/10W			PIN, CONNECT			3P
		METAL GLAZE		5%	1/10W			PLUG, CONNEC		, ,, ,,	Oi
		METAL GLAZE		5%	1/10W	0.10000	1 004 000 11	, Lou, comite	3101131		
		METAL GLAZE		5%	1/10W	CN6507	*1-564-506-11	PLUG, CONNEC	TOP 2D		
114000	1-210-037-00	WE THE GENEE	2.21	3 70	171044			TAB (CONTACT			
D4350	1.216.065.00	METAL GLAZE	4.7K	5%	1/10W			PLUG, CONNEC			
		METAL CHIP	1.2K		61/10W	0140510	1-304-300-11	r Log, Connec	JION SF		
		METAL CHIP	1.2K		61/10W						
			1.2K 1.5K				<diode></diode>				
		METAL CHIP			61/10W		<diode></diode>				
H4363	1-216-049-00	METAL GLAZE	. IK	5%	1/10W	Dara.		B1088 5508 45			000000000000000000000000000000000000000
D4004	1 010 010 00	METAL OLAZE	417	<b>5</b> 0/	4 (4 0) 4 (	complete control of the	- contractional contraction (c. o.	DIODE D2SBA6	eated about the second of the second		
		METAL GLAZE		5%	1/10W			DIODE UF4005I			
		CONDUCTOR,						DIODE P6KE20			
		CONDUCTOR,						DIODE EGP10D			
		METAL GLAZE		5%	1/10W	D656	8-719-979-58	DIODE EGP10D	)		
R4371	1-216-025-00	METAL GLAZE	100	5%	1/10W						
						D657	8-719-921-88	DIODE MTZJ-13	3B		
R4373	1-216-295-00	CONDUCTOR,	CHIP			D658	8-719-510-64	DIODE S2LA201	F		
R4375	1-216-295-00	CONDUCTOR,	CHIP			D659	8-719-911-19	DIODE 1SS119-	25		
R4376	1-249-421-11	CARBON	2.2K	5%	1/4W	D660	8-719-302-43	DIODE EL1Z			
						D661	8-719-302-43	DIODE EL1Z			
	<crystal></crystal>										
							<fuse></fuse>				
X4001	1-760-895-21	VIBRATOR, CE	RAMIC								
		VIBRATOR, CR	_	O)		F651 A	1-532-504-41	FUSE 4A/250V			
		OSCILLATOR,	,	_,			************	HOLDER, FUSE	· F651		
		VIBRATOR, CR		O)		1	7 000 200-11		.,1001		
		OSCILLATOR,		٠,		1					
V+002	1-021-122-00	OSCILLATOR,	UNISIAL			1	-10-				
Y4000	1 700 005 01	VIDDATOR OF	DAMIC				<ic></ic>				
A4006	1-760-895-21	VIBRATOR, CE	DAIVILO			10054	0.750.400.45	IO TODOTO F:			
						10651	d-759-426-45	IC TOP210pF1			
*******		*******	********	******	*****						



The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

REF.NC	. PART NO.	DESCRIPTION	N	REMARK	REF.NO	PART NO.	DESCRIPTION	l	R	EMARK
	<coil></coil>					<capacito< th=""><th>R&gt;</th><th></th><th></th><th></th></capacito<>	R>			
L652	1-412-549-31	INDUCTOR	1mH		C1001	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
L653	1-412-549-31	INDUCTOR	1mH				CERAMIC CHIP			25V
							CERAMIC CHIP		5%	
	<filter></filter>				1		CERAMIC CHIP		10%	50V 25V
200200200200000000				<u></u>						
		TRANSFORME				1-126-967-11 1-126-967-11		47MF 47MF		16V 16V
	Δ			*****************			CERAMIC CHIP			25V
						1-124-925-11		2.2MF		50V
	<transisto< td=""><td>OR&gt;</td><td></td><td></td><td>C1012</td><td>1-124-925-11</td><td>ELECT</td><td>2.2<b>MF</b></td><td>20%</td><td>50V</td></transisto<>	OR>			C1012	1-124-925-11	ELECT	2.2 <b>MF</b>	20%	50V
Q651	8-729-034-00	TRANSISTOR	2SA1282ATP-E	F	C1013	1-124-925-11	ELECT	2.2MF	20%	50V
Q652	8-729-029-67	TRANSISTOR	DTC114ESA-TI	P	C1014	1-126-965-11	ELECT	22MF	20%	50V
							CERAMIC CHIP			25V
						1-126-923-11		220MF		10V
	<resistor:< td=""><td>&gt;</td><td></td><td></td><td>C1020</td><td>1-163-251-11</td><td>CERAMIC CHIP</td><td>100pF</td><td>5%</td><td>50V</td></resistor:<>	>			C1020	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
	∆ 1-2 <b>44</b> -945-91			% 1/2W			CERAMIC CHIP			50V
A		WIREWOUND		% 10W % 10W		1-126-967-11	CERAMIC CHIP	47MF		16V
	1-202-961-11	WIREWOUND		% 1/4W F		1-104-004-11		2.2MF	10%	50V
	1-247-791-91			% 1/4W		1-124-925-11		2.2MF	20%	
Deso	1-249-421-11	CARRON	2.2K 5°	% 1/4W	C1020	1-162-022-00	CERAMIC CHIP	0.015ME	10%	50\/
	1-249-421-11 1-218-265-21	000000000000000000000000000000000000000	Committee and the control of the con	% 1/4VV		1-126-967-11		47MF		16V
HOULE	11 1 2 10 E C 2 1	. M.C. 17.21	U.L.RI	20			CERAMIC CHIP			
							CERAMIC CHIP		10%	
	<relay></relay>						CERAMIC CHIP		10%	
RY6512	<b>∆1-755-018-11</b>	RELAY			C1034	1-126-967-11	ELECT	47MF	20%	16V
1 - C - F - F C -	***	1000000 1000000 1000000 1000000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 1000000		and the second s	C1035	1-164-232-11	CERAMIC CHIP	0.01MF	10%	
						1-126-934-11		220MF	20%	
	<transfor< td=""><td>RMER&gt;</td><td></td><td></td><td></td><td>1-126-967-11</td><td>ELECT CERAMIC CHIP</td><td>47MF</td><td>20% 10%</td><td></td></transfor<>	RMER>				1-126-967-11	ELECT CERAMIC CHIP	47MF	20% 10%	
T651 /	<u>1-429-808-11</u>	TRANSFORME	R, CONVERTE	ER .	01033	1-104-202-11	OLNAMIC CHIP	U.U TIVII	10 /6	30 V
					1	1-126-967-11		47MF	20%	
						1-126-967-11		47MF	20%	
*******	******	******	******	******		1-126-967-11 1-126-967-11		47MF 47MF	20% 20%	
							CERAMIC CHIP		10%	
	* A-1241-256-A	F1 BOARD, CC	MPLETE							
		***************************************	******			1-126-923-11		220MF	20%	
						1-126-967-11	CERAMIC CHIP	47MF	20% 10%	
						1-126-967-11		47MF	20%	
	<connecto< td=""><td>OR&gt;</td><td></td><td></td><td></td><td>1-126-967-11</td><td></td><td>47MF</td><td>20%</td><td></td></connecto<>	OR>				1-126-967-11		47MF	20%	
CNRns	1*1-564-518-11	PLUG, CONNE	CTOB 3P		C1053	1-164-480-11	CERAMIC CHIP	0.22ME	10%	16V
311003	1 1 00 <del>4</del> 0 10 11	, LOG, CONNE	CICITOI			1-126-967-11		47MF	20%	
					1	1-126-964-11		10MF	20%	
	<switch></switch>				1		CERAMIC CHIP			25V
Cenat	4 1 E70 006 11	SWITCH, PUSH	LI LEVI MAN	an	C1057	1-164-489-11	CERAMIC CHIP	0.22MF	10%	16V
<b>3</b> 0031/	∆ 1-3/U <b>-5∠6-1</b> 1	SWITCH, FUSI	1(+ NE 1) [MAII	N <sub>j</sub>	C1058	1-164-489-11	CERAMIC CHIP	0.22MF	10%	16V
					C1059	1-164-489-11	CERAMIC CHIP	0.22MF	10%	16V
					1		CERAMIC CHIP		10%	
*****	*******	*******	******	******	1		CERAMIC CHIP		10% 10%	
	* A-1297-874-A	A BOARD, COM	MPLETE		01002	1 10-403-11	OLI IAMIO OFIF	U. E E IVIT	10/0	104
		*******	******		C1066	1-164-489-11	CERAMIC CHIP	0.22MF	10%	
	•					1-126-964-11		10MF	20%	
		SPRING, IC (IC		IC1033)		1-126-964-11		10MF	20%	
	4-382-854-11	SCREW (M3X1				1-126-964-11		10MF	20%	
		(IC1035, Q1034	+)		J C10/2	1-164-232-11	CERAMIC CHIP	U.UTMF	10%	201



_!	REF.NO.	PART NO.	DESCRIPTION	l	R	EMARK	REF.NO.	PART NO.	DESCRIPTION		R	EMARK
	C1074	1-163-237-11	CERAMIC CHIP	27nF	5%	50V	C1127	1-163-220-11	CERAMIC CHIP	12nE	5%	50V
			CERAMIC CHIP		5%	50V			CERAMIC CHIP		10%	
			CERAMIC CHIP		5%	50V			CERAMIC CHIP			
			CERAMIC CHIP		5%	50V		1-126-967-11		47MF	10%	
			CERAMIC CHIP		376	16V	01147	1-120-90/-11	ELECT	4/IVIF	20%	16V
	01070	1 104 040 11	OLI IAMIO OF III	11411		101	C1148	1-164-161-11	CERAMIC CHIP	0.0022ME	10%	50V
	C1080	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V			CERAMIC CHIP		10 /0	25V
			CERAMIC CHIP		.0,0	16V			CERAMIC CHIP			25V
			CERAMIC CHIP			25V		1-126-967-11		47MF	20%	
			CERAMIC CHIP		5%				CERAMIC CHIP		10%	
			CERAMIC CHIP		10%		01107	7 100 000 11	OLI IAMIO OI III	0.00 11011	10 /6	J0 V
			02.1.1.1.1.0	0.0	.0,0		C1158	1-126-967-11	FLECT	47MF	20%	16V
	C1087	1-126-967-11	ELECT	47MF	20%	16V		1-126-967-11		47MF	20%	
		1-126-967-11		47MF	20%			1-126-967-11		47MF	20%	
				47MF	20%			1-126-967-11		47MF	20%	
		1-126-967-11		47MF	20%			1-126-967-11		47MF	20%	
		1-124-903-11		1MF	20%		01101	1 120 007 11		471011	20 /6	101
	0.00.	2. 000	LLLO.		2070		C1165	1-126-967-11	FLECT	47MF	20%	16V
	C1092	1-164-005-11	CERAMIC CHIP	0.47MF		25V		1-126-967-11		47MF	20%	
		1-124-903-11		1MF	20%				CERAMIC CHIP		10%	
			CERAMIC CHIP		10%			1-124-925-11		2.2MF	20%	
			CERAMIC CHIP			25V		1-126-965-11		22MF	20%	
			CERAMIC CHIP			25V	01100	. 120 000 11			2070	30 V
	01000	1 104 000 11	OLI II MINIO OI III	0.471011		201	C1170	1-124-903-11	FLECT	1MF	20%	50V
	C1097	1-164-005-11	CERAMIC CHIP	0.47MF		25V		1-136-165-00		0.1MF	5%	50V
		1-126-934-11		220MF	20%			1-110-495-11		220MF	20%	
			CERAMIC CHIP		5%			1-110-495-11		220MF	20%	
			CERAMIC CHIP		0.5pF			1-136-165-00		0.1MF	5%	50V
		1-126-964-11			20%		01174	1-130-103-00	LIFIAI	U. HVIF	3%	30 V
	01104	1-120-304-11	ELECT	TOIVIT	2076	30 V	C1175	1-126-967-11	ELECT	47MF	20%	161/
	C1105	1-126-064-11	ELECT	10MF	20%	501/		1-124-563-11		2200MF	20%	
			CERAMIC CHIP		10%			1-124-563-11			20%	
	_	1-126-967-11		47MF	20%			1-126-041-11		2200MF		
		1-126-964-11		10MF	20%					2200MF	20%	
			CERAMIC CHIP		10%		C11/9	1-124-925-11	ELECT	2.2MF	20%	507
	01110	1-103-009-11	CENAMIC CHIE	0.047101	10 /6	257	C1180	1-136-165-00	CII M	0.1MF	5%	50V
	C1111	1.164-480-11	CERAMIC CHIP	0.22ME	10%	161/		1-126-967-11		47MF	20%	
			CERAMIC CHIP		10%			1-126-967-11		47MF	20%	
			CERAMIC CHIP			50V		1-124-903-11				
		1-126-967-11		47MF	20%			1-126-965-11		1MF 22MF	20% 20%	
			CERAMIC CHIP				01104	1-120-303-11	ELECT	ZZIVIF	20%	30 V
	01113	1-104-101-11	OLITAVIIO OTIII	0.00221011	10 /6	J0 V	C1185	1-126-967-11	ELECT	47MF	20%	161/
	C1116	1-126-967-11	FLECT	47MF	20%	161/		1-126-967-11		47MF	20%	
	_		CERAMIC CHIP		10%			1-120-907-11				50V
			ELECT		20%				CERAMIC CHIP	0.015MF	5%	
			ELECT		20%				CERAMIC CHIP			
			CERAMIC CHIP		5%		Cilos	1-104-101-11	CERAIVIIC CHIP	0.0022MF	10%	50 V
	31120	1-100-107-00	OLIMANIO UNIP	Jooph	J 70	JU V	C1100	1.106 067 44	ELECT	47 <b>14</b>	202/	161/
	C1121	1-164-490-11	CERAMIC CHIP	0.2284E	10%	16\/		1-126-967-11 1-137-371-11		47MF	20%	
	_	1-126-967-11		47MF	20%					0.015MF	5%	50V
	_		CERAMIC CHIP		10%				CERAMIC CHIP		10%	
			CERAMIC CHIP		10%			1-126-967-11		47MF	20%	
			CERAMIC CHIP				C1194	1-137-372-11	FILM	0.022MF	5%	50V
	01125	1-107-023-11	CERAIVIIC CHIP	0.47 MF	10%	100	01105	1 104 005 11	FLEOT	0.0145	000/	501/
	C1100	4 400 054 44	CEDANIC CUID	100-5	F0/	501/				2.2MF	20%	
			CERAMIC CHIP		5%	3		1-124-925-11		2.2MF	20%	
	_		CERAMIC CHIP		5%			1-137-372-11		0.022MF	5%	50V
			CERAMIC CHIP		10%				CERAMIC CHIP			
			CERAMIC CHIP		0001	25V	C1199	1-126-967-11	ELECT	47MF	20%	167
	O1130	1-124-903-11	ELECT	IME	20%	201	04000	4 400 405 65	511 h 4	0.4145		501/
	C1101	4 404 604 41	OFFIANCE OF THE	0.4145	4001	051/				0.1MF	5%	50V
			CERAMIC CHIP		10%				CERAMIC CHIP		10%	
	_		CERAMIC CHIP		10%				CERAMIC CHIP		10%	
		1-126-967-11		47MF	20%				CERAMIC CHIP		10%	
	_	1-126-964-11			20%		C1204	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
	C1135	1-163-125-00	CERAMIC CHIP	220pF	5%	50V						
	C1100	1 404 001 11	OFDALMO OUT	0.4145	1001	051/				10MF	20%	
	01136	1-164-004-11	CERAMIC CHIP	U.IMF	10%	25V	C1206	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	507



REF.NO.	PART NO.	DESCRIPTION		RI	EMARK	REF.NO.	PART NO.	DESCRIPTION		R	EMARK
0400=		F11 14	0.0040145	00/	400)/	04000	4 400 000 44	FLEOT	400145	000/	401/
	1-137-613-11		0.0018MF		100V		1-126-933-11		100MF	20%	
		CERAMIC CHIP		10%		C1267	1-126-964-11	ELECT	10MF	20%	50V
C1209	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	0.000					
					4017	1	1-126-933-11		100MF	20%	
		CERAMIC CHIP		10%			1-126-964-11		10MF	20%	
		CERAMIC CHIP		10%			1-126-964-11		10MF	20%	
		CERAMIC CHIP		10%			1-136-165-00		0.1MF	5%	
		CERAMIC CHIP		10%		C1272	1-126-964-11	ELECT	10MF	20%	50V
C1214	1-126-967-11	ELECT	47MF	20%	16V						
								ELECT	10MF	20%	
	1-126-967-11		47MF	20%				CERAMIC CHIP		10%	
C1216	1-163-019-00	CERAMIC CHIP	0.0068MF	10%	50V			CERAMIC CHIP			25V
C1217	1-163-019-00	CERAMIC CHIP	0.0068MF					CERAMIC CHIP			25V
		CERAMIC CHIP		10%		C1282	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C1219	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V						
								CERAMIC CHIP			25V
		CERAMIC CHIP		10%		C1284	1-164-232-11	CERAMIC CHIP	0.01MF	10%	
C1223	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	C1285	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C1224	1-107-823-11	<b>CERAMIC CHIP</b>	0.47MF	10%	16V	C1286	1-164-232-11	<b>CERAMIC CHIP</b>	0.01MF	10%	50V
		CERAMIC CHIP		10%	16V	C1287	1-164-232-11	<b>CERAMIC CHIP</b>	0.01MF	10%	50V
		<b>CERAMIC CHIP</b>		10%	50V						
0.1_0						C1288	1-164-232-11	<b>CERAMIC CHIP</b>	0.01MF	10%	50V
C1227	1-163-011-11	CERAMIC CHIP	0.0015MF	10%	50V	C1289	1-126-964-11	ELECT	10MF	20%	
	1-124-925-11		2.2MF	20%		1	1-126-964-11		10MF	20%	50V
	1-124-925-11		2.2MF	20%				CERAMIC CHIP		10%	
	1-136-177-00		1MF	5%	50V			CERAMIC CHIP		10%	
	1-136-177-00		1MF	5%	50V	0.00.		02	0.10		•••
01231	1-130-177-00	, I ILIVI		0 / 0	001	C1305	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1222	1-16/-182-11	CERAMIC CHIP	0.0033ME	10%	50V			CERAMIC CHIP		10%	
		CERAMIC CHIP		10%				CERAMIC CHIP		10%	
	1-126-964-11		10MF	20%				CERAMIC CHIP		10%	
		CERAMIC CHIP		10%			1-126-967-11		47MF	20%	
				10%		01312	1-120-307-11	LLLOI	4/ WII	20 /6	10 V
C1237	1-164-004-11	CERAMIC CHIP	U. HVIF	10 %	25 V	C1212	1 107 022 11	CERAMIC CHIP	0.47ME	10%	161/
04000	4 400 000 00	OFDAMIC CUID	0.007145	10%	OEV			CERAMIC CHIP		10%	
		CERAMIC CHIP		10%			1-104-232-11		47MF	20%	
		CERAMIC CHIP						CERAMIC CHIP		5%	50V
		CERAMIC CHIP		10%							
		CERAMIC CHIP		10%		C1317	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C1242	1-163-014-00	CERAMIC CHIP	0.002/MF	5%	507	04040	4 404 000 44	CERAMIC CHIP	0.04145	10%	F0\/
		0554440 0445	0.0007145	<b>5</b> 0/	501/						
C1243	1-163-014-00	CERAMIC CHIP	0.002/MF	5%	50V			CERAMIC CHIP		10%	
		CERAMIC CHIP						CERAMIC CHIP		10%	
		CERAMIC CHIP						CERAMIC CHIP		5%	50V
	1-126-965-11		22MF	20%		C1323	1-126-964-11	ELECT	10MF	20%	50V
C1247	1-126-933-11	ELECT	100MF	20%	16V						
								CERAMIC CHIP		10%	
C1248	1-164-348-11	I CERAMIC CHIP	0.12MF	10%	25V		1-126-933-11		100MF	20%	
C1249	1-164-004-11	I CERAMIC CHIP	0.1MF		25V			CERAMIC CHIP		10%	
C1250	1-163-986-00	CERAMIC CHIP	0.027MF	10%	25V		1-126-964-11		10MF	20%	
C1251	1-163-986-00	CERAMIC CHIP	0.027MF	10%	25V	C1329	1-124-903-11	ELECT	1MF	20%	50V
C1252	1-163-022-00	CERAMIC CHIP	0.012MF	10%	50V						
						C1330	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C1253	1-164-232-1	CERAMIC CHIP	0.01MF	10%	50V	C1331	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
		CERAMIC CHIP		5%	50V	C1332	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
		CERAMIC CHIP			50V	C1333	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
		CERAMIC CHIP			50V	C1334	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
		CERAMIC CHIP		10%							
31201	. 100 000 1			. 5 , 5		C1335	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C1258	1-136-165-00	FILM	0.1MF	5%	50V			CERAMIC CHIP		10%	
	1-126-964-1		10MF	20%			1-126-923-11		220MF	20%	
	1-126-964-1		0.022MF	5%	50V			CERAMIC CHIP		10%	
			0.022MF	5%	50V			CERAMIC CHIP		10%	
	1-137-372-1		0.022MF 0.015MF	5%	50V	01339	1 10-1-00-11	JEI MINIO OF IIP	J. 11VII	. 0 /0	201
C 1262	1-137-371-1	FILIVI	J.U I DIVIE	J 70	30 V	C1240	1_162.051.44	CERAMIC CHIP	100nE	5%	50V
04000	4 400 400 0	S EU M	0.000145	EO/	EOV.				0.47MF	20%	
	1-130-489-00		0.033MF	5%	50V		1-124-902-00			∠076	
		CERAMIC CHIP			50V			CERAMIC CHIP		10%	16V
C1265	1-126-952-1	I ELECT	1000MF	20%	16V	01343	1-104-004-1	CERAMIC CHIP	U. HVIF	10/0	20 V



REF.NO.	PART NO.	DESCRIPTION		R	EMARK	REF.NO.	PART NO.	DESCRIPTION	REMAR	
C1344	1-124-925-11	FLECT	2.2MF	20%	50V	C1439	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
						000		32.W.III. 3.W. 3.W.	,0	
	1-126-965-11		22MF	20%						
		CERAMIC CHIP			25V		<osillator< td=""><td>&gt;</td><td></td><td></td></osillator<>	>		
		CERAMIC CHIP			25V					
		CERAMIC CHIP		5%	50V	CD1001	1-527-992-31	OSCILLATOR, CERAMIC		
C1353	1-163-251-11	CERAMIC CHIP	100pF	5%	50V					
C1355	1-163-113-00	CERAMIC CHIP	68pF	5%	50V		<filter></filter>			
C1356	1-163-251-11	CERAMIC CHIP	100pF	5%	50V					
C1358	1-163-251-11	<b>CERAMIC CHIP</b>	100pF	5%	50V	CF1001	1-760-416-21	FILTER, CERAMIC		
C1359	1-163-251-11	<b>CERAMIC CHIP</b>	100pF	5%	50V	CF1002	1-760-449-11	FILTER, CERAMIC		
C1363	1-163-038-00	CERAMIC CHIP	0.1MF		25V			FILTER, CERAMIC FILTER, CERAMIC		
C1265	1 100 005 11	ELECT	22MF	20%	501/	1		FILTER, CERAMIC		
	1-126-965-11			20%		CF 1005	1-700-430-21	FILTER, CERAMIC		
	1-126-933-11		100MF	20%		CE100C	1 700 571 01	FILTED CEDAMIC		
		CERAMIC CHIP			16V			FILTER, CERAMIC		
		CERAMIC CHIP		<b>5</b> 0/	50V			FILTER, CERAMIC		
C1372	1-163-235-11	CERAMIC CHIP	22pF	5%	50 V	CF1008	1-760-450-21	FILTER, CERAMIC		
		CERAMIC CHIP		5%	50V			_		
		CERAMIC CHIP			25V		<connecto< td=""><td>)R&gt;</td><td></td><td></td></connecto<>	)R>		
C1376	1-163-275-11	CERAMIC CHIP	0.001MF	5%	50V					
C1377	1-164-004-11	CERAMIC CHIP	0.1MF	10%				TAB (CONTACT)		
C1378	1-164-346-11	CERAMIC CHIP	1MF		16V			CONNECTOR, BOARD TO	BOAR	D 40P
								PLUG, CONNECTOR 2P		
C1382	1-164-346-11	CERAMIC CHIP	1MF		16V			PLUG, CONNECTOR 5P		
C1384	1-164-346-11	CERAMIC CHIP	1MF		16V	CN10031	1-564-513-11	PLUG, CONNECTOR 10P		
		CERAMIC CHIP		5%	50V					
C1387	1-164-222-11	CERAMIC CHIP	0.22MF		25V	CN10041	1-564-508-11	PLUG, CONNECTOR 5P		
C1389	1-163-251-11	CERAMIC CHIP	100pF	5%	50V			PLUG, CONNECTOR 3P		
					4014			PLUG, CONNECTOR 7P	DO 4 F	D 40D
	1-126-923-11		220MF	20%				CONNECTOR, BOARD TO	BOAH	ID 40P
	1-126-965-11		22MF	20%		CN1021	1-564-509-11	PLUG, CONNECTOR 6P		
		CERAMIC CHIP		5%		01/4000		DILIO CONVECTOR OR		
		CERAMIC CHIP		5%				PLUG, CONNECTOR 3P		
C1397	1-126-952-11	ELECT	1000MF	20%	16V			PLUG, CONNECTOR 4P		
								PLUG, CONNECTOR 3P		
C1398	1-126-967-11	ELECT	47MF	20%				PLUG, CONNECTOR 7P		
		CERAMIC CHIP		10%		CN1032	1-564-512-11	PLUG, CONNECTOR 9P		
		CERAMIC CHIP		5%		01110011		BUILD CONNECTOR AND		
	1-126-964-11		10MF		50V			PLUG, CONNECTOR 10P		
C1407	1-107-701-11	ELECT	47MF	20%	16V			PLUG, CONNECTOR 9P		
								PLUG, CONNECTOR 3P		D 40D
	1-126-933-11		100MF	20%		CN4002	1-695-298-11	CONNECTOR, BOARD TO	BOAH	(D 40P
		CERAMIC CHIP		10%	50V					
		CERAMIC CHIP			16V					
		CERAMIC CHIP			25V	1	<diode></diode>			
C1412	1-165-321-11	CERAMIC CHIP	U.68MF	10%	16V	D1001	8-719-914-43	DIODE DAN202K		
C1415	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V			DIODE DA204K		
		CERAMIC CHIP			50V			DIODE DAP202K		
-		CERAMIC CHIP			50V			DIODE MTZJ-33C		
		CERAMIC CHIP		10 /6	16V			DIODE RD30ESB3		
		CERAMIC CHIP			50V	D1007	0-713-110-73	DIODE NOOLOBS		
01421	1-103-031-11	CENAMIC CHIE	U.UTIVII		30 4	D1008	8-719-110-73	DIODE RD30ESB3		
C1422	1-163-031-11	CERAMIC CHIP	0.01MF		50V	D1009	8-719-914-43	DIODE DAN202K		
C1423	1-163-031-11	CERAMIC CHIP	0.01MF		50V			DIODE DAN202K		
C1424	1-163-038-00	CERAMIC CHIP	0.1MF		25V	D1011	8-719-914-43	DIODE DAN202K		
C1427	1-164-695-11	CERAMIC CHIP	0.0022MF	5%	50V	D1012	8-719-404-49	DIODE MA111		
C1428	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V		0.740.001	BIODE 100101		
0440-		0504440 01 "	0.4145	400/	051/			DIODE 1SS184		
		CERAMIC CHIP			25V			DIODE DAN202K		
	1-126-963-11		4.7MF		50V		-	DIODE DAN202K		
_	1-124-925-11		2.2MF		50V			DIODE DAP202K		
	1-124-925-11		2.2MF		50V	1019	8-719-914-43	DIODE DAN202K		
G1434	1-164-232-11	CERAMIC CHIP	U.UIMF	10%	50V	1				



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	١	REMARK
D1020	8-719-914-44	DIODE DAP202K		IC1023	8-759-378-21	IC ST24C16FB6	3	
D1021	8-719-109-89	DIODE RD5.6ESB2						
		DIODE RD5.6ESB2		IC1024	8-759-248-91	IC SDA9086-5		
		DIODE MA3030-H (TX)				IC TDA2822M		
		DIODE DAN202K			8-759-909-71			
D1020	0 / 13 3 14 40	DIODE DANEOER			8-759-909-71			
D1027	8-710-014-42	DIODE DA204K				IC TDA2009A		
		DIODE DAN202K		101020	0-735-500-43	IC IDAZOUSA		
		DIODE 1SV214		101020	8-750-080-43	IC TDA2009A		
		DIODE DAN202K				IC CXA2011Q		
		DIODE DAN202K				IC CXA2011Q		
21104	0 7 13 3 14 43	DIODE DANEOZIC				IC CXA1819W	re	
D1105	8-719-914-43	DIODE DAN202K				IC NJM78M09F		
		DIODE DAN202K		101000	0-733-701-33	10 145/01/01031	^	
21100	071331440	BIOBE BAINEDER		IC1035	8-759-513-71	IC PQ05RF21		
						IC TL431CLP		
	<ferrite bi<="" td=""><td>EAD&gt;</td><td></td><td></td><td></td><td>IC MB3793-42P</td><td>NE</td><td></td></ferrite>	EAD>				IC MB3793-42P	NE	
	CI ERITITE DI	LAD>				IC MC74F02M-		
EB1001	1.216.206.00	CONDUCTOR, CHIP			8-759-054-12		12	
		CONDUCTOR, CHIP		101043	0-733-034-12	IO F QUERAT		
		FILTER, EMI						
		CONDUCTOR, CHIP			<chip cond<="" td=""><td>LICTOR.</td><td></td><td></td></chip>	LICTOR.		
		CONDUCTOR, CHIP			CHIP CONL	JUCTUR>		
FB1003	1-216-296-00	CONDUCTOR, CHIF		IPIONE	1.216.205.00	CONDUCTOR.	CUID	
EDIONE	1 542 012 21	FILTER, EMI				CONDUCTOR,		
		FILTER, EMI				CONDUCTOR,		
		FILTER, EMI						
		CONDUCTOR, CHIP		JR1017	1-210-295-00	CONDUCTOR,	CHIP	
		FILTER, EMI		JH1020	1-210-295-00	CONDUCTOR,	CHIP	
FBIOIO	1-343-013-21	FILTER, EIVII		IP1026	1-216-205-00	CONDUCTOR,	CHID	
EB1011	1.5/2.012.21	FILTER, EMI				CONDUCTOR,		
		FILTER, EMI				CONDUCTOR,		
FB1012	1-040-010-21	FILTER, EWI				CONDUCTOR,		
						CONDUCTOR,		
	<filter></filter>			JN1032	1-210-295-00	CONDUCTOR,	CHIP	
	CILILIA			IB1033	1-216-205-00	CONDUCTOR,	CHID	
El 1004	1-409-409-00	INDUCTOR 10UH				CONDUCTOR.		
		INDUCTOR 10UH		3111770	1-210-233-00	CONDUCTOR,	Offic	
	1-408-607-31							
		ENCAPSULATED COMPONE	ENT	(	<coil></coil>			
			5% 1/8W		COOIL			
1 21000	1 210 100 00	WETTE GETTE EE	7,0 1,011	11003	1-408-421-00	INDUCTOR	100UH	
					1-408-419-00		68UH	
	<ic></ic>				1-407-500-00		4.7mH	
	~10>				1-408-419-00		68UH	
IC1001	8-752-878-81	IC CXP852P32AQ-1-012			1-408-421-00		100UH	
	8-759-514-57			21007	1 400 421 00	II DOCTOIT	100011	
		IC TDA9820T-T		1 1008	1-408-421-00	INDLICTOR	100UH	
		IC TDA9820T-T			1-408-397-00		1UH	
		IC NJM2233BM			1-408-419-00		68UH	
.01000	0 700 7 10 00	10 11011122002111			1-408-409-00		10UH	
IC1007	8.759.708.05	IC NJM78L05A			1-408-416-00		39UH	
		IC NJM2233BM		LIUIS	1-400-410-00	INDUCTOR	33011	
		IC CXA1815S		1 1014	1-408-421-00	INDUCTOR	100UH	
		IC CXA1875AM-T4			1-408-421-00		100UH	
		IC SAA7283GP			1-408-412-00		18UH	
101013	0 733 231 30	TO OAAT 2000II			1-408-409-00		10UH	
IC1014	8-750-085-51	IC NJM2284M			1-408-409-00		22UH	
		IC TDA6812-2MGEG		21021	, 400-007-31		22011	
	8-759-909-71			11022	1-408-607-31	INDUCTOR	22UH	
		IC TDA7317			1-408-607-31		22UH	
		IC SDA30C164-GEG			1-408-421-00		100UH	
.01019	0 703-301-92	TO ODNOOTO TO TOLEG				FERRITE BEAD		R 1.1UH
IC1000	8-750-227-49	IC SDA5273P-C26-GEG			1-410-397-21		68UH	1.10H
		SOCKET, PLCC		L102/	1-400-419-00	HOUGION	OOUT	
		IC TMS27PC020-15FMLLE10	)1	1 1028	1-408-607-31	INDUCTOR	22UH	
		IC MB81C4256A-70PSZG				INDUCTOR CHI	_	6.8UH
- 1022	2 / 23 / 30 00		l	21101			•	

The components identified by shading and mark ∆ are critical for safety.
Replace only with part number specified.



REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO	. PART NO.	DESCRIPTION		RE	MARK
L1102 1-408-419-00			Q1052	8-729-900-53	TRANSISTOR D	TC114EK		
L1104 1-408-421-00	INDUCTOR 100UH		Q1053	8-729-920-74	TRANSISTOR 2	SC2412K-QR		
			Q1059	8-729-027-31	TRANSISTOR D	TA124EKA-T	146	
			Q1060	8-729-027-52	TRANSISTOR D	TC124EKA-T	146	
<ic link=""></ic>			Q1061	8-729-027-52	TRANSISTOR D	TC124EKA-T	146	
PS1001∆1-532-637-91	LINK IC 1A/150V		Q1062	8-729-027-59	TRANSISTOR D	TC144EKA-T	146	
PS1002/\(\Lambda\)1-532-984-91			Q1064	8-729-027-52	TRANSISTOR D	TC124EKA-T	146	
PS1003∆1-532-984-91			Q1065	8-729-920-74	TRANSISTOR 2	SC2412K-QR		
144 - 154 - 154 - 154 - 154 - 154 - 154 - 154 - 154 - 154 - 154 - 154 - 154 - 154 - 154 - 154 - 154 - 154 - 154			Q1066	8-729-216-22	TRANSISTOR 2	SA1162-G		
			Q1067	8-729-216-22	TRANSISTOR 2	SA1162-G		
<transisto< td=""><td>OR&gt;</td><td></td><td>04000</td><td>0.700.010.00</td><td>TRANSICTOR</td><td>0.044400</td><td></td><td></td></transisto<>	OR>		04000	0.700.010.00	TRANSICTOR	0.044400		
	TRANSPORTED BY SAME IN A	4.40			TRANSISTOR 2			
	TRANSISTOR DTC144EKA-T				TRANSISTOR D		146	
	TRANSISTOR 2SC2412K-QF		-4		TRANSISTOR			
	TRANSISTOR DTC144EKA-T							
	TRANSISTOR DTC144EKA-T TRANSISTOR 2SC2412K-QF		Q10/2	8-729-027-59	TRANSISTOR D	DIC144EKA-I	140	
Q1007 0723-320-74			Q1076	8-729-216-22	TRANSISTOR 2	SA1162-G		
O1008 8-720-020-74	TRANSISTOR 2SC2412K-QF	1			TRANSISTOR 2			
O1011 8.720.020.74	TRANSISTOR 2SC2412K-QF	3			TRANSISTOR 2			
	TRANSISTOR DTC144EKA-1				TRANSISTOR 2			
	TRANSISTOR 2SC2412K-QF				TRANSISTOR 2			
	TRANSISTOR 2SC2412K-QF							
Q1014 0-723 320 74	1101101010111202112114	•	Q1106	8-729-920-74	TRANSISTOR 2	SC2412K-QR		
O1015 8-729-920-74	TRANSISTOR 2SC2412K-QF	₹	Q1107	8-729-920-74	TRANSISTOR 2	SC2412K-QR		
	TRANSISTOR 2SA1162-G	•	Q1108	8-729-920-74	TRANSISTOR 2	SC2412K-QR		
Q1017 8-729-920-74	TRANSISTOR 2SC2412K-QF	3	Q1109	8-729-920-74	TRANSISTOR 2	SC2412K-QR		
Q1018 8-729-216-22	TRANSISTOR 2SA1162-G		Q1110	8-729-920-74	TRANSISTOR 2	SC2412K-QR		
Q1019 8-729-216-22	TRANSISTOR 2SA1162-G							
Q1010 0 120 210 22			Q1112	8-729-920-74	TRANSISTOR 2	SC2412K-QR		
O1020 8-729-920-74	TRANSISTOR 2SC2412K-QF	3	Q1114	8-729-920-74	TRANSISTOR 2	SC2412K-QR		
Q1021 8-729-920-74	TRANSISTOR 2SC2412K-QF	3	Q1115	8-729-216-22	TRANSISTOR 2	2SA1162-G		
Q1022 8-729-216-22	TRANSISTOR 2SA1162-G				TRANSISTOR 2			
	TRANSISTOR 2SA1162-G		Q1117	8-729-920-74	TRANSISTOR 2	2SC2412K-QR		
	TRANSISTOR 2SA1162-G							
			1		TRANSISTOR 2			
Q1026 8-729-216-22	TRANSISTOR 2SA1162-G				TRANSISTOR 2			
Q1027 8-729-216-22	TRANSISTOR 2SA1162-G		Q1120	8-729-920-74	TRANSISTOR 2	2SC2412K-QR		
	2 TRANSISTOR 2SA1162-G							
	TRANSISTOR 2SC2412K-QF							
Q1030 8-729-920-74	TRANSISTOR 2SC2412K-QF	3		<resistor< td=""><td>&gt;</td><td></td><td></td><td></td></resistor<>	>			
Q1031 8-729-920-74	TRANSISTOR 2SC2412K-QF	4	1		METAL GLAZE		%	1/10W
Q1032 8-729-216-22	2 TRANSISTOR 2SA1162-G				METAL GLAZE		%	1/10W
	2 TRANSISTOR 2SA1162-G				METAL GLAZE		%	1/10W
	TRANSISTOR 2SD2396H				METAL GLAZE		%	1/10W
Q1035 8-729-920-74	TRANSISTOR 2SC2412K-QF	4	R1006	1-216-025-00	METAL GLAZE	100 5	%	1/10W
Q1036 8-729-920-74	4 TRANSISTOR 2SC2412K-QF	3	R1007	1-216-033-00	METAL GLAZE	220 5	%	1/10W
	4 TRANSISTOR 2SC2412K-QI				METAL GLAZE		%	1/10W
Q1038 8-729-920-74	4 TRANSISTOR 2SC2412K-QI	3	R1009	1-216-025-00	METAL GLAZE	100 5	%	1/10W
Q1039 8-729-920-74	4 TRANSISTOR 2SC2412K-QI	7	R1010	1-216-049-00	METAL GLAZE	1K 5	%	1/10W
	2 TRANSISTOR 2SA1162-G		R1011	1-216-073-00	METAL GLAZE	10K 5	%	1/10W
O1042 9 720 216 2	2 TRANSISTOR 2SA1162-G		B1012	2 1-216-073-00	METAL GLAZE	10K 5	%	1/10W
01042 0-720 216 2	2 TRANSISTOR 2SA1162-G				METAL GLAZE		%	1/10W
O1040 0-720-210-24	2 TRANSISTOR 2SA1162-G				METAL GLAZE		%	1/10W
Q1045 8-720-216-2	2 TRANSISTOR 2SA1162-G				METAL GLAZE		%	1/10W
	7 TRANSISTOR XN4401				METAL GLAZE		%	1/8W
01047 0 700 000 7	A TRANSISTOR OSCORAGIZ OF	В	D1016	1,216,109.0	1 METAL GLAZE	1K 5	%	1/8W
	4 TRANSISTOR 2SC2412K-QI				METAL GLAZE		%	1/10W
Q1048 8-729-920-74	4 TRANSISTOR 2SC2412K-QI 2 TRANSISTOR 2SA1162-G				1 METAL GLAZE		%	1/8W
Q1049 8-729-216-21	4 TRANSISTOR XN4601				CONDUCTOR,			
	4 TRANSISTOR XN4601				METAL GLAZE		%	1/10W
Q1001 8-/29-402-8	TOPPIN AUTOISTON AINTE		1 11022	1 210 020 0	OLAZL			



REF.NO. PART NO. DESCRIPTION	REMARK	REF.NO. PART NO. DESCRIPTION	REMARK
R1023 1-216-049-00 METAL GLAZE 1K	5% 1/10W	R1095 1-216-049-00 METAL GLAZE 1K	5% 1/10W
R1024 1-216-049-00 METAL GLAZE 1K	5% 1/10W	R1096 1-216-073-00 METAL GLAZE 10K	5% 1/10W
R1025 1-216-025-00 METAL GLAZE 100	5% 1/10W	R1097 1-216-073-00 METAL GLAZE 10K	5% 1/10W
R1026 1-216-025-00 METAL GLAZE 100	5% 1/10W	R1098 1-216-025-00 METAL GLAZE 100	5% 1/10W
R1027 1-216-073-00 METAL GLAZE 10K	5% 1/10W	700	0,0
		R1099 1-216-049-00 METAL GLAZE 1K	5% 1/10W
R1028 1-216-073-00 METAL GLAZE 10K	5% 1/10W	R1100 1-216-037-00 METAL GLAZE 330	5% 1/10W
R1029 1-216-025-00 METAL GLAZE 100	5% 1/10W	R1101 1-216-025-00 METAL GLAZE 100	5% 1/10W
R1030 1-216-025-00 METAL GLAZE 100	5% 1/10W	R1102 1-216-049-00 METAL GLAZE 1K	5% 1/10W
R1034 1-216-043-91 METAL GLAZE 560	5% 1/10W	R1103 1-216-134-00 METAL GLAZE 2.2	5% 1/8W
R1035 1-216-043-91 METAL GLAZE 560	5% 1/10W		
		R1104 1-216-085-00 METAL GLAZE 33K	5% 1/10W
R1036 1-216-043-91 METAL GLAZE 560	5% 1/10W	R1105 1-216-055-00 METAL GLAZE 1.8K	5% 1/10W
R1037 1-216-295-00 CONDUCTOR, CHIP		R1106 1-216-049-00 METAL GLAZE 1K	5% 1/10W
R1039 1-216-083-00 METAL GLAZE 27K	5% 1/10W	R1107 1-216-049-00 METAL GLAZE 1K	5% 1/10W
R1040 1-216-065-00 METAL GLAZE 4.7K	5% 1/10W	R1108 1-208-845-11 METAL GLAZE 1M	5% 1/10W
R1041 1-216-077-00 METAL GLAZE 15K	5% 1/10W		
		R1109 1-208-845-11 METAL GLAZE 1M	5% 1/10W
R1042 1-216-689-11 METAL GLAZE 39K	5% 1/10W	R1110 1-216-150-91 METAL GLAZE 10	5% 1/8W
R1043 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W	R1111 1-216-025-00 METAL GLAZE 100	5% 1/10W
R1044 1-216-069-00 METAL GLAZE 6.8K	5% 1/10W	R1112 1-216-025-00 METAL GLAZE 100	5% 1/10W
R1045 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W	R1113 1-216-117-00 METAL GLAZE 680K	5% 1/10W
R1046 1-216-049-00 METAL GLAZE 1K	5% 1/10W		
		R1115 1-208-845-11 METAL GLAZE 1M	5% 1/10W
R1048 1-249-417-11 CARBON 1K	5% 1/4W F	R1116 1-216-081-00 METAL GLAZE 22K	5% 1/10W
R1051 1-216-049-00 METAL GLAZE 1K	5% 1/10W	R1117 1-216-073-00 METAL GLAZE 10K	5% 1/10W
R1052 1-216-061-00 METAL GLAZE 3.3K	5% 1/10W	R1118 1-216-134-00 METAL GLAZE 2.2	5% 1/8W
R1053 1-216-065-00 METAL GLAZE 4.7K	5% 1/10W	R1121 1-216-097-00 METAL GLAZE 100K	5% 1/10W
R1054 1-216-025-00 METAL GLAZE 100	5% 1/10W		
		R1122 1-216-097-00 METAL GLAZE 100K	5% 1/10W
R1055 1-216-073-00 METAL GLAZE 10K	5% 1/10W	R1123 1-216-101-00 METAL GLAZE 150K	5% 1/10W
R1056 1-216-081-00 METAL GLAZE 22K	5% 1/10W	R1124 1-216-089-00 METAL GLAZE 47K	5% 1/10W
R1057 1-216-065-00 METAL GLAZE 4.7K	5% 1/10W	R1125 1-216-097-00 METAL GLAZE 100K	5% 1/10W
R1058 1-216-065-00 METAL GLAZE 4.7K	5% 1/10W	R1126 1-216-049-00 METAL GLAZE 1K	5% 1/10W
R1059 1-216-043-91 METAL GLAZE 560	5% 1/10W	D4407 4 040 007 00 METAL OLATE 400K	F0( 4/40)44
D4000 4 040 040 04 METAL CLAZE 500	F0/ 4/40M	R1127 1-216-097-00 METAL GLAZE 100K	5% 1/10W
R1060 1-216-043-91 METAL GLAZE 560 R1061 1-216-043-91 METAL GLAZE 560	5% 1/10W 5% 1/10W	R1128 1-216-101-00 METAL GLAZE 150K R1129 1-216-119-00 METAL GLAZE 820K	5% 1/10W 5% 1/10W
R1062 1-216-295-00 CONDUCTOR, CHIP	5% 1/10W	R1130 1-216-049-00 METAL GLAZE 1K	5% 1/10W 5% 1/10W
R1062 1-216-295-00 CONDUCTOR, CHIP R1063 1-216-083-00 METAL GLAZE 27K	5% 1/10W	R1131 1-216-037-00 METAL GLAZE 1R	5% 1/10W
R1064 1-216-073-00 METAL GLAZE 27K	5% 1/10W	H1131 1-210-037-00 METAL GLAZE 330	5% I/TUVV
11004 1-210-073-00 METAL GLAZE TOR	3/6 1/1UVV	R1132 1-216-097-00 METAL GLAZE 100K	5% 1/10W
R1066 1-216-025-00 METAL GLAZE 100	5% 1/10W	R1133 1-216-089-00 METAL GLAZE 47K	5% 1/10W
R1067 1-216-025-00 METAL GLAZE 100	5% 1/10W	R1134 1-216-049-00 METAL GLAZE 1K	5% 1/10W
R1068 1-216-073-00 METAL GLAZE 10K	5% 1/10W	R1135 1-216-049-00 METAL GLAZE 1K	5% 1/10W
R1070 1-216-043-91 METAL GLAZE 560	5% 1/10W	R1138 1-216-043-91 METAL GLAZE 560	5% 1/10W
R1071 1-216-049-00 METAL GLAZE 1K	5% 1/10W	711100 1 210 010 01 WEINE OB 122 000	070 171011
		R1139 1-216-037-00 METAL GLAZE 330	5% 1/10W
R1072 1-216-049-00 METAL GLAZE 1K	5% 1/10W	R1140 1-216-037-00 METAL GLAZE 330	5% 1/10W
R1073 1-216-049-00 METAL GLAZE 1K	5% 1/10W	R1141 1-216-025-00 METAL GLAZE 100	5% 1/10W
R1074 1-216-049-00 METAL GLAZE 1K	5% 1/10W	R1144 1-216-049-00 METAL GLAZE 1K	5% 1/10W
R1075 1-216-073-00 METAL GLAZE 10K	5% 1/10W	R1145 1-216-001-00 METAL GLAZE 10	5% 1/10W
R1076 1-216-049-00 METAL GLAZE 1K	5% 1/10W		
		R1146 1-216-045-00 METAL GLAZE 680	5% 1/10W
R1077 1-216-113-00 METAL GLAZE 470K	5% 1/10W	R1147 1-216-039-00 METAL GLAZE 390	5% 1/10W
R1078 1-216-113-00 METAL GLAZE 470K	5% 1/10W	R1148 1-216-045-00 METAL GLAZE 680	5% 1/10W
R1079 1-218-755-11 METAL CHIP 130K	0.50%1/10W	R1149 1-216-001-00 METAL GLAZE 10	5% 1/10W
R1080 1-216-113-00 METAL GLAZE 470K	5% 1/10W	R1150 1-216-039-00 METAL GLAZE 390	5% 1/10W
R1081 1-216-073-00 METAL GLAZE 10K	5% 1/10W		
		R1151 1-216-049-00 METAL GLAZE 1K	5% 1/10W
R1082 1-216-107-00 METAL GLAZE 270K	5% 1/10W	R1152 1-216-041-00 METAL GLAZE 470	5% 1/10W
R1084 1-216-639-11 METAL CHIP 330	0.50%1/10W	R1153 1-216-041-00 METAL GLAZE 470	5% 1/10W
R1086 1-208-784-11 METAL CHIP 1.2K	0.50%1/10W	R1154 1-216-041-00 METAL GLAZE 470	5% 1/10W
R1089 1-216-043-91 METAL GLAZE 560	5% 1/10W	R1155 1-216-295-00 CONDUCTOR, CHIP	
R1092 1-216-646-11 METAL CHIP 620	0.50%1/10W		
P1004 4 040 054 44 METAL OURD 415	0 500/ 4/4014	R1156 1-216-295-00 CONDUCTOR, CHIP	
R1094 1-216-651-11 METAL CHIP 1K	0.50%1/10W	R1157 1-216-295-00 CONDUCTOR, CHIP	



REF.NO.	PART NO.	DESCRIPTION		RE	MARK	1	REF.NO.	PART NO.	DESCRIPTION	1	R	EMAR	K
R1158	1-249-419-11	CARBON	1.5K	5%	1/4W	İ	R1222	1-249-389-11	CARBON	4.7	5%	1/4W	F
	1-247-807-31		100	5%	1/4W		R1223	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	1
		_		0.50%	1/10W								
********							R1224	1-216-663-11	METAL CHIP	3.3K	0.50%	61/10W	1
R1161	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W		R1225	1-249-385-11	CARBON	2.2	5%	1/4W	F
		CONDUCTOR, C						1-216-613-11		27	0.50%	61/10W	1
		·		0.50%	1/10W				METAL CHIP	27	0.50%	61/10W	/
		METAL GLAZE			1/10W			1-216-659-11		2.2K	0.50%	61/10W	/
		CONDUCTOR, C		0.0									
							R1229	1-216-651-11	METAL CHIP	1K	0.50%	61/10W	/
R1166	1-216-043-91	METAL GLAZE	560	5%	1/10W		R1230	1-216-075-00	METAL GLAZE	12K	5%	1/10W	/
		CONDUCTOR, C					R1231	1-216-075-00	METAL GLAZE	12K	5%	1/10W	/
		METAL GLAZE		5%	1/10W		R1232	1-249-421-11	CARBON	2.2K	5%	1/4W	
					1/10W		R1233	1-249-421-11	CARBON	2.2K	5%	1/4W	
		METAL GLAZE			1/10W								
	1 210 000 00						R1234	1-216-671-11	METAL CHIP	6.8K	0.50%	61/10W	/
D1172	1-216-205-00	CONDUCTOR, C	CHIP						METAL CHIP	1K	0.50%	61/10W	1
		· ·	1.5K	0.50%	1/10W				METAL GLAZE			1/10W	
		METAL GLAZE			1/10W				METAL CHIP	10K		61/10W	
					1/10W				METAL CHIP	8.2K		61/10W	
		METAL GLAZE			1/10W		111230	, 210-0/3-11	THE PAR OF III	J. L.I.	5.50 /		
H11/6	1-216-049-00	METAL GLAZE	IIV	5%	1/1044		D1220	1-208-822-11	METAL CHIP	47K	0.50%	61/10W	j
		METAL OLAZE	10	E0/	4/40M				METAL CHIP	47K		61/10W	
		METAL GLAZE			1/10W				METAL GLAZE			1/10W	
		METAL GLAZE			1/10W							61/10W	
		METAL GLAZE			1/10W				METAL CHIP	56K			
		METAL GLAZE			1/10W		H1243	1-216-685-11	METAL CHIP	27K	0.50%	61/10W	,
R1181	1-249-407-11	CARBON	150	5%	1/4W					1016	<b>5</b> 0/	4/4014	
									METAL GLAZE		5%	1/10W	
		METAL GLAZE	470		1/10W				METAL GLAZE		5%	1/10W	
R1183	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W				METAL GLAZE		5%	1/10W	
R1184	1-208-784-11	METAL CHIP	1.2K	0.50%	1/10W				METAL GLAZE		5%	1/10W	
R1185	1-208-784-11	METAL CHIP	1.2K	0.50%	1/10W		R1248	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	/
R1186	1-216-615-11	METAL CHIP	33	0.50%	1/10W								
							R1249	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R1187	1-216-615-11	METAL CHIP	33	0.50%	1/10W		R1250	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	1
R1188	1-249-389-11	CARBON	4.7	5%	1/4W	F	R1251	1-216-089-00	METAL GLAZE	47K	5%	1/10W	ı
	1-249-389-11		4.7	5%	1/4W	F	R1252	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	/
	1-249-421-11		2.2K	5%	1/4W		R1253	1-216-089-00	METAL GLAZE	47K	5%	1/10W	1
	1-249-421-11	-	2.2K	5%	1/4W								
111101	1 240 421 1	0,1112011				- 1	R1254	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	V
R1192	1-216-073-00	METAL GLAZE	10K	5%	1/10W		R1255	1-216-089-00	METAL GLAZE	47K	5%	1/10W	V
		METAL GLAZE			1/10W				METAL GLAZE		5%	1/10W	V
D1104	1-216-081-00	METAL GLAZE	22K	5%	1/10W				METAL GLAZE		5%	1/10W	V
D1106	1 216 075 0	METAL GLAZE	12K	5%	1/10W	1			METAL GLAZE		5%	1/10W	
D1107	1.216-075-00	METAL GLAZE	12K	5%	1/10W		111200	1 210 000 00			0,0		
nii9/	1-210-0/5-00	WETAL GLAZE	1211	376	17 10 11		R1259	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	V
D1100	1 016 000 00	METAL GLAZE	47K	5%	1/10W				METAL GLAZE		5%	1/10W	
				5%	1/10W				METAL GLAZE		5%	1/10W	
		METAL GLAZE			1/4W				METAL GLAZE		5%	1/10W	
	1-249-385-1		2.2						METAL GLAZE		5%	1/10W	
		METAL CHIP	2.2K		61/10W		H1203	1-216-065-00	INIETAL GLAZE	4.71	376	1/1044	•
R1203	1-216-659-1	METAL CHIP	2.2K	0.50%	61/10W	ı	D4004	1 010 000 00	NACTAL OLAZE	471/	E0/	1/1014	.,
				<b>5</b> 0/	440144	- 1			METAL GLAZE		5%	1/10W 1/10W	
		METAL GLAZE		5%	1/10W				METAL GLAZE		5%		
		METAL GLAZE		5%	1/10W				METAL GLAZE		5%	1/10W	
		METAL GLAZE		5%	1/10W				METAL GLAZE		5%	1/10W	٧
R1208	1-216-081-00	METAL GLAZE	22K	5%	1/10W		R1268	1-216-295-00	CONDUCTOR,	CHIP			
R1209	1-216-057-0	METAL GLAZE	2.2K	5%	1/10W								
						- 1			CONDUCTOR,				
R1210	1-216-049-0	METAL GLAZE	1K	5%	1/10W		R1270	1-216-295-00	CONDUCTOR,	CHIP			
R1211	1-163-017-0	CERAMIC CHIP	0.0047MF	10%	50V		R1271	1-216-295-00	CONDUCTOR,	CHIP			
		METAL GLAZE		5%	1/10W		R1272	1-208-824-11	METAL CHIP	56K	0.509	%1/10 <b>W</b>	٧
		METAL GLAZE		5%	1/10W				METAL CHIP	27K	0.509	%1/10 <b>W</b>	٧
		METAL GLAZE		5%	1/10W		•						
	1 = 10 0=0						R1274	1-216-073-00	METAL GLAZE	10K	5%	1/10W	٧
R1210	1-249-389-1	1 CARRON	4.7	5%	1/4W	F			METAL GLAZE		5%	1/10W	
	1-249-389-1		4.7	5%	1/4W				METAL GLAZE		5%	1/10W	
				5%	1/10W				METAL GLAZE		5%	1/10W	
m122]	1-216-091-0	METAL GLAZE	JUN	J /0	1/1044	- 1	1712//	1 210-000-00	, METAL GLAZE	. 001	J /0	., .011	•



REF.NO. PART NO. DESCRIPTION	REMARK	REF.NO. PART NO. DESCRIPTION	REMARK
R1278 1-216-085-00 METAL GLAZE 33K	5% 1/10W	R1337 1-216-089-00 METAL GLAZE 47K	5% 1/10W
H12/8 1-210-003-00 WILTHE GEAZE 3510	070 171011	R1338 1-216-049-00 METAL GLAZE 1K	5% 1/10W
R1279 1-260-107-11 CARBON 4.7K	5% 1/2W	R1339 1-216-089-00 METAL GLAZE 47K	5% 1/10W
R1280 1-216-089-00 METAL GLAZE 47K	5% 1/10W	R1340 1-216-041-00 METAL GLAZE 470	5% 1/10W
R1281 1-216-049-00 METAL GLAZE 1K	5% 1/10W	R1341 1-216-089-00 METAL GLAZE 47K	5% 1/10W
R1282 1-216-073-00 METAL GLAZE 10K	5% 1/10W		
R1283 1-216-061-00 METAL GLAZE 3.3K	5% 1/10W	R1342 1-216-089-00 METAL GLAZE 47K	5% 1/10W
		R1343 1-216-065-00 METAL GLAZE 4.7K	5% 1/10W
R1284 1-216-651-11 METAL CHIP 1K	0.50%1/10W	R1344 1-216-073-00 METAL GLAZE 10K	5% 1/10W
R1285 1-216-651-11 METAL CHIP 1K	0.50%1/10W	R1345 1-216-073-00 METAL GLAZE 10K	5% 1/10W
R1286 1-249-394-11 CARBON 12	5% 1/4W F	R1346 1-216-073-00 METAL GLAZE 10K	5% 1/10W
R1287 1-216-025-00 METAL GLAZE 100	5% 1/10W		
R1290 1-216-073-00 METAL GLAZE 10K	5% 1/10W	R1347 1-216-065-00 METAL GLAZE 4.7K	5% 1/10W
		R1348 1-216-065-00 METAL GLAZE 4.7K	5% 1/10W
R1291 1-216-222-00 METAL GLAZE 10K	5% 1/8W	R1349 1-216-073-00 METAL GLAZE 10K	5% 1/10W
R1292 1-216-025-00 METAL GLAZE 100	5% 1/10W	R1350 1-216-077-00 METAL GLAZE 15K	5% 1/10W
R1293 1-216-025-00 METAL GLAZE 100	5% 1/10W	R1351 1-216-065-00 METAL GLAZE 4.7K	5% 1/10W
R1294 1-216-073-00 METAL GLAZE 10K	5% 1/10W		
R1295 1-216-081-00 METAL GLAZE 22K	5% 1/10W	R1352 1-216-061-00 METAL GLAZE 3.3K	5% 1/10W
		R1353 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W
R1296 1-216-079-00 METAL GLAZE 18K	5% 1/10W	R1354 1-216-025-00 METAL GLAZE 100	5% 1/10W
R1297 1-216-049-00 METAL GLAZE 1K	5% 1/10W	R1355 1-216-083-00 METAL GLAZE 27K	5% 1/10W
R1298 1-216-031-00 METAL GLAZE 180	5% 1/10W	R1356 1-216-049-00 METAL GLAZE 1K	5% 1/10W
R1299 1-216-051-00 METAL GLAZE 1.2K	5% 1/10W		
R1300 1-216-051-00 METAL GLAZE 1.2K	5% 1/10W	R1358 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W
		R1359 1-216-073-00 METAL GLAZE 10K	5% 1/10W
R1301 1-216-051-00 METAL GLAZE 1.2K	5% 1/10W	R1360 1-216-065-00 METAL GLAZE 4.7K	5% 1/10W
R1302 1-216-031-00 METAL GLAZE 180	5% 1/10W	R1361 1-216-025-00 METAL GLAZE 100	5% 1/10W
R1303 1-216-031-00 METAL GLAZE 180	5% 1/10W	R1362 1-216-025-00 METAL GLAZE 100	5% 1/10W
R1304 1-208-806-11 METAL CHIP 10K	0.50%1/10W	B4000 4 040 005 00 METAL OLAZE 070	FO/ 4/4014
R1305 1-208-806-11 METAL CHIP 10K	0.50%1/10W	R1363 1-216-035-00 METAL GLAZE 270	5% 1/10W
	0 500/ 4//014/	R1364 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W
R1306 1-208-806-11 METAL CHIP 10K	0.50% 1/10W	R1365 1-216-295-00 CONDUCTOR, CHIP	E0/ 1/10\M
R1307 1-208-811-11 METAL CHIP 16K	0.50%1/10W	R1366 1-216-025-00 METAL GLAZE 100	5% 1/10W
R1308 1-208-811-11 METAL CHIP 16K	0.50%1/10W	R1367 1-216-295-00 CONDUCTOR, CHIP	
R1309 1-208-811-11 METAL CHIP 16K	0.50%1/10W	DADGE A DAG DOE OF CONDUCTOR CHIR	
R1310 1-216-073-00 METAL GLAZE 10K	5% 1/10W	R1368 1-216-295-00 CONDUCTOR, CHIP R1369 1-216-295-00 CONDUCTOR, CHIP	
DARLA A CAR OTO DO METAL CLATE ADV	5% 1/10W	R1371 1-216-049-00 METAL GLAZE 1K	5% 1/10W
R1311 1-216-073-00 METAL GLAZE 10K	5% 1/10W 5% 1/10W	R1372 1-216-081-00 METAL GLAZE 1K	5% 1/10W
R1312 1-216-073-00 METAL GLAZE 10K R1313 1-216-073-00 METAL GLAZE 10K	5% 1/10W	R1373 1-216-049-00 METAL GLAZE 1K	5% 1/10W
R1313 1-216-073-00 METAL GLAZE 100	5% 1/10W	H1373 1-210-043-00 METAL GLAZE TR	370 171011
R1315 1-216-025-00 METAL GLAZE 100	5% 1/10W	R1374 1-216-043-91 METAL GLAZE 560	5% 1/10W
H1315 1-216-025-00 METAL GLAZE 100	376 171011	R1375 1-216-043-91 METAL GLAZE 560	5% 1/10W
R1316 1-216-025-00 METAL GLAZE 100	5% 1/10W	R1376 1-216-037-00 METAL GLAZE 330	5% 1/10W
R1317 1-216-025-00 METAL GLAZE 100	5% 1/10W	R1377 1-216-025-00 METAL GLAZE 100	5% 1/10W
R1318 1-216-025-00 METAL GLAZE 100	5% 1/10W	R1378 1-216-025-00 METAL GLAZE 100	5% 1/10W
R1319 1-216-025-00 METAL GLAZE 100	5% 1/10W		
R1320 1-216-077-00 METAL GLAZE 15K	5% 1/10W	R1379 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W
111020 1-210 077 00 METAL GENEL TOX	070 117011	R1380 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W
R1321 1-216-033-00 METAL GLAZE 220	5% 1/10W	R1381 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W
R1322 1-216-033-00 METAL GLAZE 220	5% 1/10W	R1382 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W
R1323 1-216-025-00 METAL GLAZE 100	5% 1/10W	R1383 1-216-017-71 METAL GLAZE 47	5% 1/10W
R1324 1-216-025-00 METAL GLAZE 100	5% 1/10W		
R1325 1-216-133-00 METAL GLAZE 3.3M	5% 1/10W	R1384 1-216-017-71 METAL GLAZE 47	5% 1/10W
111020 1210 100 00 11121112 02 122		R1385 1-216-049-00 METAL GLAZE 1K	5% 1/10W
R1326 1-216-041-00 METAL GLAZE 470	5% 1/10W	R1386 1-216-073-00 METAL GLAZE 10K	5% 1/10W
R1327 1-216-127-11 METAL GLAZE 1.8M	5% 1/10W	R1387 1-216-037-00 METAL GLAZE 330	5% 1/10W
R1328 1-216-295-00 CONDUCTOR, CHIP		R1388 1-216-049-00 METAL GLAZE 1K	5% 1/10W
R1329 1-216-295-00 CONDUCTOR, CHIP			
R1330 1-216-677-11 METAL CHIP 12K	0.50%1/10W	R1389 1-216-065-00 METAL GLAZE 4.7K	5% 1/10W
		R1401 1-216-049-00 METAL GLAZE 1K	5% 1/10W
R1331 1-216-677-11 METAL CHIP 12K	0.50%1/10W	R1402 1-216-049-00 METAL GLAZE 1K	5% 1/10W
R1332 1-216-677-11 METAL CHIP 12K	0.50%1/10W	R1403 1-216-049-00 METAL GLAZE 1K	5% 1/10W
R1333 1-216-049-00 METAL GLAZE 1K	5% 1/10W	R1404 1-216-069-00 METAL GLAZE 6.8K	5% 1/10W
R1334 1-216-079-00 METAL GLAZE 18K	5% 1/10W		
R1335 1-216-081-00 METAL GLAZE 22K	5% 1/10W	R1405 1-216-065-00 METAL GLAZE 4.7K	5% 1/10W

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.



REF.NO.	PART NO.	DESCRIPTION		RE	MARK	REF.NO	PART NO.	DESCRIPTION	1	R	EMARK
R1406	1-216-073-00	METAL GLAZE	10K 5%	4 1	/10W	B1491	1-249-411-11	CARRON	330	5%	1/4W
		METAL GLAZE			/10W			CONDUCTOR,		J 76	1/444
		METAL GLAZE	-		/10W			CONDUCTOR,			
		METAL GLAZE			/10W	111430	1 210 200 00	oonbooron,	O1 III		
	. 2.0 000 00					R1498	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R1412	1-216-049-00	METAL GLAZE	1K 5%	6 1	/10W			METAL GLAZE		5%	1/10W
		METAL GLAZE			/10W			METAL GLAZE		5%	1/10W
		METAL GLAZE			/10W			METAL GLAZE		5%	1/10W
		METAL GLAZE			/10W			METAL GLAZE		5%	1/10W
R1416	1-216-061-00	METAL GLAZE			/10W						
						R1506	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R1417	1-216-049-00	METAL GLAZE	1K 5%	6 1	/10W	R1507	1-216-033-00	METAL GLAZE	220	5%	1/10W
R1418	1-216-049-00	METAL GLAZE	1K 5%	6 1	/10W	R1508	1-216-295-00	CONDUCTOR,	CHIP		
R1419	1-216-049-00	METAL GLAZE	1K 5%	6 1	/10W	R1509	1-216-295-00	CONDUCTOR,	CHIP		
R1420	1-216-049-00	METAL GLAZE	1K 5%	6 1	/10W	R1512	1-216-295-00	CONDUCTOR,	CHIP		
R1421	1-216-073-00	METAL GLAZE	10K 5%	6 1	/10W						
						R1513	1-216-295-00	CONDUCTOR,	CHIP		
R1422	1-216-081-00	METAL GLAZE	22K 5%	6 1	/10W	R1514	1-216-295-00	CONDUCTOR,	CHIP		
R1423	1-216-091-00	METAL GLAZE	56K 5%	6 1	/10W	R1515	1-216-295-00	CONDUCTOR,	CHIP		
R1424	1-216-081-00	METAL GLAZE	22K 5%	6 1	/10W	R1516	1-216-033-00	METAL GLAZE	220	5%	1/10W
R1425	1-216-069-00	METAL GLAZE	6.8K 5%	6 1	/10W	R1517	1-216-295-00	CONDUCTOR,	CHIP		
R1426	1-216-061-00	METAL GLAZE	3.3K 5%	6 1	/10W						
						R1518	1-216-295-00	CONDUCTOR,	CHIP		
R1427	1-216-073-00	METAL GLAZE	10K 5%	6 1	/10W	R1519	1-249-394-11	CARBON	12	5%	1/4W F
R1429	1-216-041-00	METAL GLAZE	470 5%	6 1	/10W	R1520	1-216-025-00	METAL GLAZE	100	5%	1/10W
R1430	1-216-057-00	METAL GLAZE	2.2K 5%	6 1	/10W	R1521	1-216-033-00	METAL GLAZE	220	5%	1/10W
R1431	1-216-025-00	METAL GLAZE	100 5%	6 1	/10W	R1522	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R1432	1-216-057-00	METAL GLAZE	2.2K 5%	6 1	/10W						
								METAL GLAZE		5%	1/10W
		METAL GLAZE			/10W			METAL GLAZE		5%	1/10W
R1434	1-216-063-91	I METAL GLAZE	3.9K 5%		/10W	R1525	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R1435	1-216-065-00	METAL GLAZE	4.7K 5%		/10W	R1526	1-216-073-00	METAL GLAZE	10K	5%	1/10W
		METAL GLAZE		6 1	/10W	R1527	1-216-025-00	METAL GLAZE	100	5%	1/10W
R1438	1-216-295-00	CONDUCTOR, C	CHIP								
								METAL GLAZE		5%	1/10W
		METAL GLAZE			/10W			METAL GLAZE		5%	1/10W
		METAL GLAZE			/10W			CONDUCTOR,			
		METAL GLAZE			/10W			CONDUCTOR,			
		METAL GLAZE			/10W	R1533	1-249-425-11	CARBON	4.7K	5%	1/4W
R1446	1-216-025-00	METAL GLAZE	100 5%	6 1	/10W						
							1-249-425-11		4.7K	5%	1/4W
		CONDUCTOR, C				H1535	1-249-425-11	CARBON	4.7K	5%	1/4W
		METAL GLAZE			/10W						
		METAL GLAZE		-	/10W		TEOT DIN				
		METAL GLAZE			/10W		<test pin=""></test>				
H1451	1-216-093-00	METAL GLAZE	68K 5%	⁄o I	/10W	TD1001	1 505 077 00	OUID OUTOKE	Б		
D1450	4 040 005 00	NACTAL OLAZE	100 50	, 4	/4.0\A/			CHIP, CHECKE			
_		METAL GLAZE			/10W			CHIP, CHECKE			
		METAL GLAZE			/10W			CHIP, CHECKE	н		
		METAL GLAZE		6 I	/10W		1-537-864-11				
		CONDUCTOR, C		, ,	(40)4/	171005	1-537-864-11	PIN, POST			
H1461	1-216-053-00	METAL GLAZE	1.5K 5%	6 1	/10W	TD4000	4 507 004 44	DIN DOOT			
D4400	1 010 055 00	NASTAL OLAZE	1.01/	, ,	(40)4/	1171006	1-537-864-11	PIN, POST			
_		METAL GLAZE			/10W						
		METAL GLAZE			/10W		TUNED				
					/10W		<tuner></tuner>				
		METAL GLAZE			/10W	T3 (4004 A	4 000 040 04	TUNICDANE	******		
H1467	1-216-0/3-00	METAL GLAZE	10K 5%	⁄o 1	/10W	45040000000000000000000000000000000000	1-693-340-21				
D# 400	4 040 000 0	NACTAL OLAZE	0.01/ ===	, ,	(40)44	101002/	1-693-340-21	TUNEH/VIF			
		METAL GLAZE			/10W						
					/10W		CDVCTAL				
		METAL GLAZE		o 1	/10W	7	<crystal></crystal>				
		CONDUCTOR, C		, ,	MON	V4004	1 577 000 11	VIDDATOR OF	DAMIC		
m148/	1-210-0/3-00	METAL GLAZE	10K 5%	o 1	/10W			VIBRATOR, CE			
R1/190	1-216-060-00	METAL GLAZE	6.8K 5%	/_ 4	/10W			VIBRATOR, CE VIBRATOR, CR			
_		1 METAL GLAZE			/10W	71101	1.019-009-21	TIDITATON, ON	IOIAL		
111709	1 210-02/-1	I WEIZE OTH	100 0.0	JU /0 !	, 1014	*******	******	******	******	*****	******



The components identified by shading and mark  $\bigwedge$  are critical for safety. Replace only with part number specified.

REF.NO	. PART NO.	DESCRIPTION	N	R	EMARK	REF.NO	. PART NO.	DESCRIPTION	4	R	EMAR	K_
	* A-1311-494-A	G BOARD, CO				D611	8-719-911-19	DIODE 1SS119	-25			
		******	*******			D612 A	8-719-510-63	DIODE D4SB60	HL.			
	4-382-854-11	SCREW (M3X1		-)					<del></del>	5050500000000		
		(D605, Q601, Q	602)				<ferrite bi<="" td=""><td>EAD&gt;</td><td></td><td></td><td></td><td></td></ferrite>	EAD>				
	<capacito< td=""><td>R&gt;</td><td></td><td></td><td></td><td></td><td></td><td>FERRITE BEAD FERRITE BEAD</td><td></td><td></td><td>0.45U 0.45U</td><td></td></capacito<>	R>						FERRITE BEAD FERRITE BEAD			0.45U 0.45U	
		ELECT (BLOCK	,		400V							
	1-164-625-11		680pF		500V 500V		-IC-					
	1-164-625-11 1-136-173-00		680pF 0.47MF	5%	500V		<lc></lc>					
	1-136-171-00		0.33MF	5%	50V	IC601	8-759-908-15	IC TL431CLP				
C606	1-164-645-11	CERAMIC	1000pF	10%	500V							
	1-136-173-00		0.47MF	5%	50V		<coil></coil>					
	1-136-171-00		0.33MF	5%	50V							
C609	1-129-718-00	FILM	0.022MF	5%	630V	L602	1-412-519-11	INDUCTOR	3.3UH			
C610	1-126-953-11	ELECT	2200MF	20%	35V	L603	1-408-409-00		10UH			
			10145	000/	501/	L604	1-412-519-11		3.3UH			
	1-126-964-11		10MF	20% 20%		L605	1-403-588-11 1-412-519-11		22UH 3.3UH			
	1-126-942-61 1-126-964-11		1000MF 10MF	20%		L606	1-412-519-11	INDUCTOR	3.3UH			
	1-126-964-11		47MF	20%								
C615	1-102-129-00		0.01MF	10%	-		<transisto< td=""><td>R&gt;</td><td></td><td></td><td></td><td></td></transisto<>	R>				
0010	4 400 400 00	CERAMIC	0.01ME	100/	501/	0601	9 720 026 60	TRANSISTOR 2	0004000 N	14		
	1-102-129-00		0.01MF 0.01MF	10%	50V 500V	Q601 Q602		TRANSISTOR 2				
	1-126-937-11		4700MF	20%	16V			TRANSISTOR 2				
	1-126-937-11		4700MF		16V	4000	0 / 20 020 / /		20, 1000, 10	<b>Q</b>		
	1-104-664-11		47MF		25V							
C621	1-102-129-00	CEDAMIC	0.01MF	10%	50V		<resistor:< td=""><td>•</td><td></td><td></td><td></td><td></td></resistor:<>	•				
	1-104-664-11		47MF		25V	R601	1-247-891-00	CARBON	330K	5%	1/4W	
	1-102-129-00		0.01MF		50V	R602	1-247-891-00		330K	5%	1/4W	
C624	1-124-903-11	ELECT	1MF	20%	50V	R603	1-247-881-00	CARBON	120K	5%	1/4W	
C627	1-136-157-00	FILM	0.022MF	5%	50V		1-247-881-00		120K	5%	1/4W	
0000	1 100 101 00	CH M	0.047MF	E0/	50V	R605	1-249-389-11	CARBON	4.7	5%	1/4W	
C628 C629	1-136-161-00 1-126-967-11		47MF	5% 20%	50 V	B606	1-249-393-11	CARRON	10	5%	1/4W	
C630	1-102-050-00		0.01MF	20 70	500V	R607			120K	5%	1/4W	
0000	02 000 00	, o					1-247-881-00		120K	5%	1/4W	
						R609	1-249-389-11	CARBON	4.7	5%	1/4W	
		<connector< td=""><td><b>?</b>&gt;</td><td></td><td></td><td>R610</td><td>1-249-393-11</td><td>CARBON</td><td>10</td><td>5%</td><td>1/4W</td><td></td></connector<>	<b>?</b> >			R610	1-249-393-11	CARBON	10	5%	1/4W	
CN6001	* 1-691-291-11	PIN, CONNECT	TOR (PC BC	ARD)	5P	R611	1-216-370-11	METAL OXIDE	1.2	5%	2W	F
		PIN, CONNECT				R617	1-202-933-61	FUSIBLE	0.1	10%	1/2W	F
		PLUG, CONNE				R618	1-215-447-00	METAL	12K	1%	1/4W	
		PLUG, CONNE					1-249-435-11		33K	5%	1/4W	
CN6005	* 1-564-512-11	I PLUG, CONNE	CTOR 9P			R621	1-215-432-00	METAL	3K	1%	1/4W	
CN6006	* 1-564-510-11	PLUG, CONNE	CTOR 7P			R622	1-249-417-11	CARBON	1K	5%	1/4W	
							1-247-807-31		100	5%	1/4W	
							1-249-425-11		4.7K	5%	1/4W	
	<diode></diode>					H625	1-249-418-11	CAHBON	1.2K	5%	1/4W	
D601	8-719-911-19	DIODE 1SS119	9-25									
		DIODE 1SS119					<transfor< td=""><td>MER&gt;</td><td></td><td></td><td></td><td></td></transfor<>	MER>				
		2 DIODE D10SB				200000000000000000000000000000000000000		TD48:070	n na		/Direc	(8)(88)
D604 D605		7 DIODE RBA-40 2 DIODE D10SB						TRANSFORME				
										e anno a fores commonto		
_		1 DIODE RD15E 9 DIODE 1SS119										
	-	9 DIODE 188119				********	******	******	*****	******	*****	***
_		DIODE 188119										
	2					1						

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REF.NO. PART NO.	DESCRIPTION	R	EMARK	REF.NO.	PART NO.	DESCRIPTION	l-	R	EMARK
* A 1995.079.A	C BOARD, COMPLETE			C5201	1-165-319-11	CERAMIC CHIP	0.1MF		50V
A-1333-072-A	**********					CERAMIC CHIP			50V
					1-104-664-11			20%	
						CERAMIC CHIP			50V
							47MF	20%	10V
<capacitor< td=""><td>₹&gt;</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></capacitor<>	₹>								
				C5206	1-126-967-11	ELECT	47MF	20%	_
	CERAMIC CHIP 0.01MF	10%				CERAMIC CHIP		000/	50V
C5002 1-126-967-11		20%			1-104-664-11			20%	
	CERAMIC CHIP 100pF	5%			1-104-664-11			20%	
C5004 1-164-004-11	CERAMIC CHIP 0.1MF	10%		C5212	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C5005 1-126-962-11	ELECT 3.3MF	20%	50V						
						CERAMIC CHIP		000/	50V
	CERAMIC CHIP 0.0033MI				1-104-664-11			20%	-
C5007 1-163-104-00	CERAMIC CHIP 30pF	5%	50V			CERAMIC CHIP			50V
	CERAMIC CHIP 0.001MF					CERAMIC CHIP			50V
	CERAMIC CHIP 0.01MF	10%		C5217	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C5010 1-163-109-00	CERAMIC CHIP 47pF	5%	50V						
						CERAMIC CHIP			50V
C5011 1-163-009-11	CERAMIC CHIP 0.001MF					CERAMIC CHIP			50V
	CERAMIC CHIP 100pF	5%				CERAMIC CHIP			50V
C5013 1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	<b></b>		CERAMIC CHIP			50V
C5014 1-126-962-11	ELECT 3.3MF	20%		C5222	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C5015 1-164-182-11	CERAMIC CHIP 0.0033M	F 10%	50V						
						CERAMIC CHIP			50V
C5016 1-163-108-00	CERAMIC CHIP 43pF	5%	50V		1-126-967-11		47MF	20%	
	CERAMIC CHIP 0.001MF	10%	50V		1-126-967-11		47MF	20%	
C5018 1-164-232-11	CERAMIC CHIP 0.01MF		50V	C5226	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C5019 1-164-182-11	CERAMIC CHIP 0.0033M	F 10%	50V	C5227	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C5020 1-126-962-11			50V						
					1-104-664-11		47MF	20%	25V
C5021 1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	C5229	1-107-689-21	TANTAL. CHIP	1MF	20%	35V
C5022 1-163-251-11	CERAMIC CHIP 100pF	5%	50V			TANTAL, CHIP		20%	35V
C5023 1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	C5231	1-107-689-21	TANTAL, CHIP	1MF	20%	35V
C5024 1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	C5232	1-107-689-21	TANTAL. CHIP	1MF	20%	35V
	CERAMIC CHIP 0.01MF	10%	50V						
				C5233	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C5026 1-126-967-11	ELECT 47MF	20%	10V	C5234	1-126-964-11	LECT	10MF	20%	50V
C5027 1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	C5235	1-104-664-11	ELECT	47MF	20%	
C5028 1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	C5236	1-165-319-11	I CERAMIC CHIP	0.1MF		50V
C5029 1-165-319-11	CERAMIC CHIP 0.1MF		50V	C5237	1-126-967-11	LECT	47MF	20%	16V
C5030 1-104-664-11		20%	25V						
				C5238	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C5039 1-104-664-11	I ELECT 47MF	20%	25V			CERAMIC CHIP			50V
C5040 1-163-251-11	CERAMIC CHIP 100pF	5%	50V	C5242	1-165-319-1	I CERAMIC CHIE	0.1MF		50V
C5041 1-163-251-11	CERAMIC CHIP 100pF	5%	50V	C5243	1-126-967-1	I ELECT	47MF	20%	16V
	CERAMIC CHIP 100pF	5%	50V	C5244	1-163-031-1	I CERAMIC CHIP	0.01MF		50V
	CERAMIC CHIP 100pF	5%	50V						
				C5245	1-165-319-1	CERAMIC CHIF	0.1MF		50V
C5044 1-163-251-11	I CERAMIC CHIP 100pF	5%	50V	C5246	1-165-319-1	1 CERAMIC CHIF	0.1MF		50V
	CERAMIC CHIP 100pF	5%	50V	C5247	1-165-319-1	1 CERAMIC CHIE	0.1MF		50V
	CERAMIC CHIP 100pF	5%	50V	C5248	1-126-967-1	1 ELECT	47MF	20%	16V
C5047 1-163-251-1	CERAMIC CHIP 100pF	5%	50V	C5251	1-165-319-1	CERAMIC CHIP	0.1MF		50V
	CERAMIC CHIP 100pF	5%	50V						
00040 1 100 201 1	. 62.11 111116 61 111 110 61			C5401	1-126-967-1	1 ELECT	47MF	20%	16V
C5049 1-163-251-11	CERAMIC CHIP 100pF	5%	50V			1 CERAMIC CHIP	0.1MF		50V
	CERAMIC CHIP 100pF	5%	50V			1 CERAMIC CHIE			50V
	CERAMIC CHIP 220pF	5%	50V			1 CERAMIC CHIP			50V
C5054 1-163-125-00	CERAMIC CHIP 220pF	5%	50V			1 CERAMIC CHIP			50V
C5055 1-163-125-00	CERAMIC CHIP 220pF	5%	50V	00=			•••••		
O0000 1-100-120-00	J OLIMNIO OFIIT 220PT	J /6	00 ¥	C5413	1-104-664-1	1 FLECT	47MF	20%	25V
C5056 1 162 105 0	CERAMIC CHIP 220pF	5%	50V			1 CERAMIC CHIE		_0,0	50V
CENET 1 103-123-00	CERAMIC CHIP 220pF	5%	50V	1		1 CERAMIC CHIF			50V
C5057 1-103-120-00	CERAMIC CHIP 220pF	5%	50V			1 CERAMIC CHIF			50V
	CERAMIC CHIP 220pF	5%	50V			1 CERAMIC CHIF			50V
	1 CERAMIC CHIP 0.01MF		50V	33417	. 100-010-1	. JEITHIO OI III	3.1140		
Q0073 1-104-232-1	I VERMINION II OU HALE	10 /0	00 ¥	C5418	1-165-319-1	1 CERAMIC CHIE	0.1MF		50V
				1 50410	. 130 0104	. 521 / 11110 01 111	J		•



REF.NO.	PART NO.	DESCRIPTION		R	EMARK	REF.NO	PART NO.	DESCRIPTION	N	R	EMARK
C5410	1 165 210 11	CERAMIC CHIP	O 1ME		501/	CEGAI	1 100 007 11	FLECT	47145	000/	10)/
					50V	1		ELECT		20%	_
		CERAMIC CHIP			50V			CERAMIC CHII			50V
		CERAMIC CHIP			50V	C5643	1-165-319-11	CERAMIC CHII	2 0.1MF		50V
C5422	1-165-319-11	CERAMIC CHIP	0.1MF		50V	C5644	1-165-319-11	CERAMIC CHI	2 0 1ME		50V
C5423	1-126-967-11	ELECT	47MF 2	20%	10V	03044	1-105-515-11	OLIMAINIO OI III	U. HVII		30 V
C5424	1-126-967-11	FLECT			10V						
C5425	1-165-319-11	CERAMIC CHIP		-0 /0	50V		<connecto< td=""><td>רם.</td><td></td><td></td><td></td></connecto<>	רם.			
		CERAMIC CHIP			50V		COOMINEO				
	1-104-664-11			200/.	25V	CNEOO1	1.601.002.21	CONNECTOR,	EEC (71E) 20	D	
00427	1-104-004 11	LLLOI	47 IVII 2	20 /0	25 4			CONNECTOR,	٠,,		
C5428	1-107-680-21	TANTAL, CHIP	IME S	Ono/.	35V			CONNECTOR,			
		TANTAL. CHIP			35V			PLUG, CONNE		-	
		TANTAL. CHIP			35V			PLUG, CONNE			
		TANTAL. CHIP			35V	CINSZUZ	1-304-323-11	PLUG, CONNE	CION IOP		
				20%							
C3432	1-100-319-11	CERAMIC CHIP	U. IMP		50 <b>V</b>		DIODE				
CE 400	1 100 004 11	FLECT	10145	200/	501/		<diode></diode>				
	1-126-964-11				50V	DECCA	0.740.000.00	DIODE 4Toos			
	1-104-664-11			20%	25V	1		DIODE 1T363			
		CERAMIC CHIP		2001	50V			DIODE 1T363			
	1-126-967-11			20%	16V			DIODE 1T363	_		
C5437	1-165-319-11	CERAMIC CHIP	0.1MF		50V	1		DIODE RD4.7S			
						D5035	8-719-158-07	DIODE RD4.7S	В		
		CERAMIC CHIP	•		50V						
		CERAMIC CHIP			50V			DIODE MA111			
		CERAMIC CHIP			50V			DIODE MA111			
		ELECT		20%	16V	D5043	8-719-420-51	DIODE MA729			
C5602	1-165-319-11	CERAMIC CHIP	0.1MF		50V	D5044	8-719-404-49	DIODE MA111			
						D5045	8-719-404-49	DIODE MA111			
		CERAMIC CHIP			50V						
C5608	1-165-319-11	CERAMIC CHIP	0.1MF		50V	D5046	8-719-404-49	DIODE MA111			
C5609	1-165-319-11	CERAMIC CHIP	0.1MF		50V	D5047	8-719-404-49	DIODE MA111			
C5610	1-104-664-11	ELECT	47MF 2	20%	25V	D5048	8-719-404-49	DIODE MA111			
C5611	1-165-319-11	<b>CERAMIC CHIP</b>	0.1MF		50V	D5049	8-719-404-49	DIODE MA111			
						D5201	8-719-404-49	DIODE MA111			
C5612	1-165-319-11	CERAMIC CHIP	0.1MF		50V						
C5613	1-165-319-11	CERAMIC CHIP	0.1MF		50V	D5202	8-719-801-78	DIODE 1SS184			
C5614	1-165-319-11	<b>CERAMIC CHIP</b>	0.1MF		50V	D5214	8-719-404-49	DIODE MA111			
C5615	1-165-319-11	<b>CERAMIC CHIP</b>	0.1MF		50V			DIODE MA111			
C5616	1-165-319-11	<b>CERAMIC CHIP</b>	0.1MF		50V	D5402	8-719-801-78	DIODE 1SS184			
						D5414	8-719-404-49	DIODE MA111			
C5617	1-165-319-11	<b>CERAMIC CHIP</b>	0.1MF		50V						
C5618	1-165-319-11	<b>CERAMIC CHIP</b>	0.1MF		50V	D5601	8-719-404-49	DIODE MA111			
C5619	1-165-319-11	<b>CERAMIC CHIP</b>	0.1MF		50V	D5602	8-719-801-78	DIODE 1SS184			
C5620	1-126-967-11	ELECT	47MF 2	20%	10V	D5614	8-719-404-49	<b>DIODE MA111</b>			
	1-126-967-11				10V						
C5622	1-165-319-11	CERAMIC CHIP	0.1MF		50V		<ferrite bi<="" td=""><td>EAD&gt;</td><td></td><td></td><td></td></ferrite>	EAD>			
		CERAMIC CHIP			50V						
	1-104-664-11			20%	25V	FB5001	1-543-813-21	FILTER, EMI			
		TANTAL, CHIP			35V	I	1-543-813-21				
_		TANTAL, CHIP			35V		1-543-813-21				
			-				1-543-813-21				
C5627	1-107-689-21	TANTAL, CHIP	1MF 2	20%	35V		1-543-813-21				
		TANTAL, CHIP			35V	. 23000					
_		CERAMIC CHIP		,0	50V	FB5010	1-543-813-21	FILTER EMI			
_	1-126-964-11		-	20%	50V		1-543-813-21				
-	1-104-664-11				25V			FILTER, EMI			
20001	54 004 11			- 0			1-412-364-11	•	0UH		
C5632	1-165-319-11	CERAMIC CHIP	0.1MF		50V		1-412-364-11		0UH		
	1-126-967-11			20%	16V	1 20014	1 412-304-11	III DOOLON	JUN		
	1-126-967-11				16V	FR5015	1-412-364-11	INDUCTOR	0UH		
		CERAMIC CHIP		70	50V		1-412-364-11		0UH		
	1-126-967-11			nº/-	16V		1-412-364-11		0UH		
23000	120 307-11	CLLUI	7/ IVII 2	-0 /0	100		1-412-364-11		0UH		
C5637	1-165-319-11	CERAMIC CHIP	0.1MF		50V		1-412-364-11		0UH		
		CERAMIC CHIP			50V	1 55013	712 004-11		3011		
510		5O OF III	U. 11411		50.	I					



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
FB5025	1-543-813-21	FILTER, EMI		Q5203	8-729-216-22	TRANSISTOR 2SA1162-G	
		FILTER, EMI				TRANSISTOR 2SC2412K-QR	
	1-412-364-11	•				TRANSISTOR 2SC2412K-QR	
						TRANSISTOR 2SA1162-G	
	1-412-364-11			Q5206	0-129-210-22	THANSISTON 25ATT62-G	
FB5601	1-412-364-11	INDUCTOR 0UH		05007	0.700.040.00	TRANSISTOR OS ALLOS O	
				-		TRANSISTOR 2SA1162-G	
FB5602	1-412-364-11	INDUCTOR OUH				TRANSISTOR 2SC2412K-QR	
				Q5210	8-729-920-74	TRANSISTOR 2SC2412K-QR	
				Q5214	8-729-216-22	TRANSISTOR 2SA1162-G	
	<filter></filter>			Q5215	8-729-920-74	TRANSISTOR 2SC2412K-QR	
FL5001	1-233-539-21	FILTER, EMI		Q5216	8-729-920-74	TRANSISTOR 2SC2412K-QR	
		FILTER, EMI		Q5217	8-729-216-22	TRANSISTOR 2SA1162-G	
FI 5003	1-239-400-11	FILTER, CHIP EMI		Q5218	8-729-216-22	TRANSISTOR 2SA1162-G	
		FILTER, CHIP EMI		O5219	8-729-920-74	TRANSISTOR 2SC2412K-QR	
		FILTER, CHIP EMI				TRANSISTOR 2SC2412K-QR	
1 20000	1-203-400-11	TIETER, OTHER		GOLLO	0 120 020 14	THE TOTAL CONTROL OF THE TANK	
El Enne	1 220 400 11	FILTER, CHIP EMI		05221	8-729-216-22	TRANSISTOR 2SA1162-G	
		FILTER, CHIP EMI				TRANSISTOR 2SA1162-G	
		FILTER, CHIP EMI				TRANSISTOR 2SC2412K-QR	
		•	ļ			TRANSISTOR 2SC2412K-QR	
		FILTER, CHIP EMI					
FL5010	1-239-400-11	FILTER, CHIP EMI		Q5225	0-729-216-22	TRANSISTOR 2SA1162-G	
<b>pr.</b>	4 000 755 5	EU 700 E		00000	0.700.010.00	TOANICIOTOD OCATICO O	
		FILTER, EMI	1			TRANSISTOR 2SA1162-G	
		FILTER, EMI				TRANSISTOR 2SC2412K-QR	
		FILTER, EMI				TRANSISTOR 2SC2412K-QR	
FL5014	1-233-513-21	FILTER, EMI		Q5229	8-729-216-22	TRANSISTOR 2SA1162-G	
FL5015	1-233-513-21	FILTER, EMI		Q5234	8-729-920-74	TRANSISTOR 2SC2412K-QR	
FL5016	1-233-539-21	FILTER, EMI		Q5235	8-729-216-22	TRANSISTOR 2SA1162-G	
FL5017	1-233-539-21	FILTER, EMI		Q5237	8-729-920-74	TRANSISTOR 2SC2412K-QR	
				Q5238	8-729-216-22	TRANSISTOR 2SA1162-G	
						TRANSISTOR 2SA1162-G	
	<ic></ic>					TRANSISTOR 2SC2412K-QR	
	4.02						
IC5002	8-759-103-09	IC UPC4082G2		Q5405	8-729-920-74	TRANSISTOR 2SC2412K-QR	
		IC UPC4082G2		Q5406	8-729-216-22	TRANSISTOR 2SA1162-G	
		IC CXD2412AQ		Q5407	8-729-216-22	TRANSISTOR 2SA1162-G	
		IC PQ15RF16				TRANSISTOR 2SC2412K-QR	
		SCREW (M3X8), P, SW (+)	·1C5005			TRANSISTOR 2SA1162-G	
	4 00E 00 1 0 1	0011211 (mono), 1   011 (1)	, 100000	40	· /		
IC5006	8-759-098-24	IC PQ30RV11		Q5416	8-729-920-74	TRANSISTOR 2SC2412K-QR	
		IC NJM78M05FA				TRANSISTOR 2SC2412K-QR	
		SCREW (M3X8), P, SW (+)	· IC5007			TRANSISTOR 2SA1162-G	
		IC CXA1819Q	, 100007			TRANSISTOR 2SA1162-G	
			ļ			TRANSISTOR 2SC2412K-QR	
100401	0-702-071-08	IC CXA1819Q	ŀ	420	0-123-320-14	111/11/01/01 LOUZ4 12N-QH	
ICEG04	0 752 071 50	IC CXA1819Q		O5421	8.72Q.020.7 <i>4</i>	TRANSISTOR 2SC2412K-QR	
			ļ				
105602	0-702-058-68	IC CXA1315M				TRANSISTOR 2SA1162-G	
						TRANSISTOR 2SA1162-G	
			l			TRANSISTOR 2SC2412K-QR	
	<coil></coil>			Q5425	8-729-920-7 <b>4</b>	TRANSISTOR 2SC2412K-QR	
1 500.		INIDITATE A TITLE		05400	0.700.040.05	TRANSISTOR SCALLS	
		INDUCTOR 4.7UH				TRANSISTOR 2SA1162-G	
		TRANSFORMER, DETECT				TRANSISTOR 2SA1162-G	
		TRANSFORMER, DETECT				TRANSISTOR 2SC2412K-QR	
		TRANSFORMER, DETECT	OR			TRANSISTOR 2SC2412K-QR	
L5005	1-410-470-11	INDUCTOR 10UH		Q5430	8-729-216-22	TRANSISTOR 2SA1162-G	
L5202	1-410-470-11			Q5433	8-729-216-22	TRANSISTOR 2SA1162-G	
L5601	1-410-470-11	INDUCTOR 10UH	l	Q5435	8-729-920-74	TRANSISTOR 2SC2412K-QR	
	1-410-470-11		l			TRANSISTOR 2SA1162-G	
			l			TRANSISTOR 2SC2412K-QR	
			l			TRANSISTOR 2SC2412K-QR	
	<transisto< td=""><td>OR&gt;</td><td></td><td>2000</td><td></td><td>and the second second</td><td></td></transisto<>	OR>		2000		and the second second	
				Q5606	8-729-216-22	TRANSISTOR 2SA1162-G	
Q5001	8-729-920-21	TRANSISTOR DTC314TK-	T-146			TRANSISTOR 2SA1162-G	
-5001	J J J _ J _ J						



REF.NO	PART NO.	DESCRIPTION		REMARK	REF.NO.	. PART NO.	DESCRIPTION	4	R	EMARK
05609	8-720-020-74	TRANSISTOR 2SC2	412K-OB		B5057	1-216-295-00	CONDUCTOR.	CHIP		
		TRANSISTOR 2SA1			110007	. 210 200 00	oonbooron,	O		
		TRANSISTOR 2SC2			R5058	1-216-295-00	CONDUCTOR.	CHIP		
400.0	0 / 20 020 / .						CONDUCTOR,			
Q5616	8-729-920-74	TRANSISTOR 2SC2	2412K-QR		R5060	1-216-295-00	CONDUCTOR,	CHIP		
Q5617	8-729-216-22	TRANSISTOR 2SA1	162-G				METAL GLAZE		5%	1/10W
Q5618	8-729-216-22	TRANSISTOR 2SA1	162-G		R5064	1-208-845-11	METAL GLAZE	1M	5%	1/10W
		TRANSISTOR 2SC2								
Q5620	8-729-920-74	TRANSISTOR 2SC2	2412K-QR				METAL GLAZE		5%	1/10W
							METAL GLAZE		5%	1/10W
		TRANSISTOR 2SA1					METAL GLAZE		5%	1/10W
		TRANSISTOR 2SA1					METAL GLAZE  METAL GLAZE		5%	1/10W 1/10W
		TRANSISTOR 2SC2			H50/3	1-216-019-00	METAL GLAZE	20	5%	1/1044
		TRANSISTOR 2SA1			B5074	1-216-019-00	METAL GLAZE	56	5%	1/10W
Q3023	0-729-210-22	INANGIGI ON 20A1	102-0				METAL GLAZE		5%	1/10W
Q5626	8-729-216-22	TRANSISTOR 2SA1	162-G				CONDUCTOR.		0,0	,,,,,,,,
		TRANSISTOR 2SC2			1		METAL GLAZE		5%	1/10W
		TRANSISTOR 2SC2			R5093	1-216-043-91	METAL GLAZE	560	5%	1/10W
Q5629	8-729-216-22	TRANSISTOR 2SA1	162-G							
Q5632	8-729-216-22	TRANSISTOR 2SA1	162-G		R5094	1-216-043-91	METAL GLAZE	560	5%	1/10W
							METAL GLAZE		5%	1/10W
Q5634	8-729-920-74	TRANSISTOR 2SC2	2412K-QR				METAL GLAZE		5%	1/10W
							METAL GLAZE		5%	1/10W
					R5099	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
	<resistor:< td=""><td>•</td><td></td><td></td><td>DE400</td><td>4 040 005 00</td><td></td><td>400</td><td><b>E</b>0/</td><td>4/4014</td></resistor:<>	•			DE400	4 040 005 00		400	<b>E</b> 0/	4/4014
55004	4 040 005 00	METAL OLAZE 47	V 50/	4/4014/			METAL GLAZE		5%	1/10W
		METAL GLAZE 4.7 METAL GLAZE 4.7					METAL GLAZE  METAL GLAZE		5% 5%	1/10W 1/10W
		METAL GLAZE 4.7					METAL GLAZE  METAL GLAZE		5%	1/10W
		CONDUCTOR, CHI		1/1044			METAL GLAZE  METAL GLAZE		5%	1/10W
		METAL GLAZE 100		1/10W	110107	1210 040 00	WILLIAL GENEL	111	370	1/1011
110007	. 2.0 020 00			.,	R5108	1-216-664-11	METAL CHIP	3.6K	0.50%	%1/10W
R5008	1-216-025-00	METAL GLAZE 100	5%	1/10W			METAL CHIP	150		%1/10W
R5017	1-216-065-00	METAL GLAZE 4.7	K 5%	1/10W	R5110	1-216-641-11	METAL CHIP	390	0.50%	%1/10W
		METAL GLAZE 56		1/10W			CONDUCTOR,			
R5028	1-216-077-00	METAL GLAZE 15		1/10W	R5121	1-216-295-00	CONDUCTOR,	CHIP		
R5029	1-216-067-00	METAL GLAZE 5.6	K 5%	1/10W						
				4/40144			CONDUCTOR,			
		METAL GLAZE 39					) CONDUCTOR, ) METAL GLAZE		E0/	1/10W
-		METAL GLAZE 1K METAL GLAZE 10k					) METAL GLAZE ) METAL GLAZE		5% 5%	1/10W
		METAL GLAZE 107					METAL GLAZE  METAL GLAZE		5%	1/10W
		METAL GLAZE 1M			113120	1-210-027-00	WILTAL GLAZE	120	370	1/1044
110004	1-200-043-11	WILLIAL GLAZE TW	370	171011	R5201	1-216-001-00	METAL GLAZE	10	5%	1/10W
R5035	1-216-085-00	METAL GLAZE 33H	<b>5</b> %	1/10W			METAL OXIDE		5%	3W F
		METAL GLAZE 8.2		1/10W	R5203	1-208-845-11	METAL GLAZE	1M	5%	1/10W
		METAL GLAZE 5.6		1/10W	R5205	1-216-295-00	CONDUCTOR,	CHIP		
R5038	1-216-079-00	METAL GLAZE 18	< 5%	1/10W	R5206	1-216-039-00	METAL GLAZE	390	5%	1/10W
R5039	1-216-049-00	METAL GLAZE 1K	5%	1/10W						
							METAL GLAZE		5%	1/10W
		METAL GLAZE 10					METAL CHIP	47		%1/10W
		METAL GLAZE 1M					METAL GLAZE		5%	1/10W
		METAL GLAZE 1M			1		METAL GLAZE		5%	1/10W
		METAL GLAZE 33			H5211	1-216-063-91	METAL GLAZE	3.9K	5%	1/10W
H5044	1-216-085-00	METAL GLAZE 33	K 5%	1/10W	DE010	1-216-650-11	METAL CHIP	2.2K	U EUo	%1/10W
R504E	1_208.845.11	METAL GLAZE 1M	5%	1/10W			METAL CHIP	680		%1/10W %1/10W
		METAL GLAZE 1M					METAL CHIP	470		%1/10W
		METAL GLAZE 10			1		METAL GLAZE	_		1/10W
		METAL GLAZE 39					METAL CHIP	3.3K		%1/10W
		METAL GLAZE 1K								
- 10					R5218	1-216-043-91	METAL GLAZE	560	5%	1/10W
R5050	1-216-067-00	METAL GLAZE 5.6	K 5%	1/10W	R5219	1-208-803-11	METAL CHIP	7.5K	0.50%	%1/10W
		METAL GLAZE 12					METAL CHIP	15K		%1/10W
		METAL GLAZE 1M					METAL GLAZE		5%	1/10W
R5053	1-208-845-11	METAL GLAZE 1M	5%	1/10W	R5222	1-216-295-00	CONDUCTOR,	CHIP		



REF.NO. PART NO. DESCRIPTION	REMARK	REF.NO. PART NO. DESCRIPTION	REMARK
DECOR A CAR OFT OR METAL CLASE ORIV	F0/ 4/40\M	DE000 1 016 071 00 METAL CLAZE 9 0V	5% 1/10W
R5223 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W	R5293 1-216-071-00 METAL GLAZE 8.2K R5294 1-208-774-11 METAL CHIP 470	0.50%1/10W
R5224 1-216-053-00 METAL GLAZE 1.5K	5% 1/10W	R5294 1-208-774-11 METAL CHIP 470 R5295 1-216-017-71 METAL GLAZE 47	5% 1/10W
R5226 1-216-295-00 CONDUCTOR, CHIP	0 E00/ 1/10M	R5296 1-208-812-11 METAL CHIP 18K	0.50%1/10W
R5227 1-208-784-11 METAL CHIP 1.2K	0.50%1/10W	H5290 1-200-612-11 WETAL OHP TON	0.50 % 1/ TOW
R5228 1-216-671-11 METAL CHIP 6.8K	0.50%1/10W	R5297 1-216-659-11 METAL CHIP 2.2K	0.50%1/10W
R5229 1-216-667-11 METAL CHIP 4.7K	0.50%1/10W	R5298 1-216-055-00 METAL GLAZE 1.8K	5% 1/10W
	0.50%1/10W	R5301 1-216-295-00 CONDUCTOR, CHIP	376 171011
R5230 1-216-673-11 METAL CHIP 8.2K R5231 1-216-059-00 METAL GLAZE 2.7K	5% 1/10W	R5302 1-216-295-00 CONDUCTOR, CHIP	
R5232 1-216-295-00 CONDUCTOR, CHIP	378 171011	R5305 1-216-025-00 METAL GLAZE 100	5% 1/10W
R5233 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W	TIOUS TETO SES SO WETTE GET LE TO	0,0 1,1011
H3233 1-210-037-00 METAE GEAZE 2.210	370 171011	R5306 1-216-025-00 METAL GLAZE 100	5% 1/10W
R5234 1-216-295-00 CONDUCTOR, CHIP		R5401 1-216-001-00 METAL GLAZE 10	5% 1/10W
R5235 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W	R5402 1-216-295-00 CONDUCTOR, CHIP	
R5236 1-216-295-00 CONDUCTOR, CHIP	0.0	R5403 1-208-845-11 METAL GLAZE 1M	5% 1/10W
R5237 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W	R5405 1-216-295-00 CONDUCTOR, CHIP	
R5238 1-216-660-11 METAL CHIP 2.4K	0.50%1/10W		
		R5406 1-216-039-00 METAL GLAZE 390	5% 1/10W
R5239 1-216-666-11 METAL CHIP 4.3K	0.50%1/10W	R5407 1-216-051-00 METAL GLAZE 1.2K	5% 1/10W
R5240 1-216-295-00 CONDUCTOR, CHIP		R5408 1-216-619-11 METAL CHIP 47	0.50%1/10W
R5241 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W	R5409 1-216-049-00 METAL GLAZE 1K	5% 1/10W
R5242 1-216-295-00 CONDUCTOR, CHIP		R5410 1-216-073-00 METAL GLAZE 10K	5% 1/10W
R5243 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W		
		R5411 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W
R5244 1-216-295-00 CONDUCTOR, CHIP		R5412 1-216-659-11 METAL CHIP 2.2K	0.50%1/10W
R5245 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W	R5413 1-216-647-11 METAL CHIP 680	0.50%1/10W
R5246 1-216-295-00 CONDUCTOR, CHIP		R5414 1-208-774-11 METAL CHIP 470	0.50%1/10W
R5248 1-216-295-00 CONDUCTOR, CHIP		R5415 1-216-017-71 METAL GLAZE 47	5% 1/10W
R5249 1-216-295-00 CONDUCTOR, CHIP			
		R5416 1-216-663-11 METAL CHIP 3.3K	0.50%1/10W
R5250 1-216-111-91 METAL GLAZE 390K	5% 1/10W	R5418 1-216-043-91 METAL GLAZE 560	5% 1/10W
R5252 1-216-111-91 METAL GLAZE 390K	5% 1/10W	R5422 1-216-295-00 CONDUCTOR, CHIP	FO/ 4/40\M
R5253 1-216-111-91 METAL GLAZE 390K	5% 1/10W	R5423 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W 5% 1/10W
R5254 1-216-111-91 METAL GLAZE 390K	5% 1/10W	R5424 1-216-053-00 METAL GLAZE 1.5K	5% 1/10W
R5256 1-216-061-00 METAL GLAZE 3.3K	5% 1/10W	R5430 1-216-295-00 CONDUCTOR, CHIP	
R5257 1-216-061-00 METAL GLAZE 3.3K	5% 1/10W	R5431 1-208-784-11 METAL CHIP 1.2K	0.50%1/10W
R5257 1-216-081-00 METAL GLAZE 3.3N R5258 1-216-298-00 METAL GLAZE 2.2	5% 1/10W	R5432 1-216-671-11 METAL CHIP 6.8K	0.50%1/10W
R5259 1-216-298-00 METAL GLAZE 2.2	5% 1/10W	R5433 1-216-667-11 METAL CHIP 4.7K	0.50%1/10W
R5260 1-216-001-00 METAL GLAZE 10	5% 1/10W	R5434 1-216-673-11 METAL CHIP 8.2K	0.50%1/10W
R5261 1-216-061-00 METAL GLAZE 3.3K	5% 1/10W	110404 1 270 070 1 1 1112 1712 0 1111	0.0070.770.7
TIOZOT TZTO OOT OO METTE GET EE CION	0,0	R5435 1-216-059-00 METAL GLAZE 2.7K	5% 1/10W
R5262 1-216-061-00 METAL GLAZE 3.3K	5% 1/10W	R5436 1-216-295-00 CONDUCTOR, CHIP	
R5263 1-216-298-00 METAL GLAZE 2.2	5% 1/10W	R5437 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W
R5264 1-216-298-00 METAL GLAZE 2.2	5% 1/10W	R5438 1-216-295-00 CONDUCTOR, CHIP	
R5265 1-216-001-00 METAL GLAZE 10	5% 1/10W	R5439 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W
R5266 1-216-061-00 METAL GLAZE 3.3K	5% 1/10W		
		R5440 1-216-295-00 CONDUCTOR, CHIP	
R5267 1-216-061-00 METAL GLAZE 3.3K	5% 1/10W	R5441 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W
R5268 1-216-298-00 METAL GLAZE 2.2	5% 1/10W	R5442 1-216-660-11 METAL CHIP 2.4K	0.50%1/10W
R5269 1-216-298-00 METAL GLAZE 2.2	5% 1/10W	R5443 1-216-666-11 METAL CHIP 4.3K	0.50%1/10W
R5270 1-216-001-00 METAL GLAZE 10	5% 1/10W	R5444 1-216-295-00 CONDUCTOR, CHIP	
R5271 1-216-061-00 METAL GLAZE 3.3K	5% 1/10W	DE 145 4 040 057 00 METAL OLAZE 0.0V	F0/ 4/4014/
Barrier	F0/ 4/40184	R5445 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W
R5272 1-216-061-00 METAL GLAZE 3.3K	5% 1/10W	R5446 1-216-295-00 CONDUCTOR, CHIP R5447 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W
R5273 1-216-298-00 METAL GLAZE 2.2	5% 1/10W		5% 1/10W
R5274 1-216-298-00 METAL GLAZE 2.2	5% 1/10W	R5448 1-216-295-00 CONDUCTOR, CHIP R5449 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W
R5275 1-216-001-00 METAL GLAZE 10	5% 1/10W 5% 1/10W	1-210-03/-00 WETAL GLAZE 2.2N	J/0 1/1044
R5276 1-216-001-00 METAL GLAZE 10	J/0 1/1044	R5452 1-216-295-00 CONDUCTOR, CHIP	
R5285 1-216-077-00 METAL GLAZE 15K	5% 1/10W	R5453 1-216-295-00 CONDUCTOR, CHIP	
R5286 1-216-085-00 METAL GLAZE 13K	5% 1/10W	R5455 1-216-111-91 METAL GLAZE 390K	5% 1/10W
R5287 1-216-025-00 METAL GLAZE 100	5% 1/10W	R5456 1-216-111-91 METAL GLAZE 390K	5% 1/10W
R5288 1-216-295-00 CONDUCTOR, CHIP		R5457 1-216-111-91 METAL GLAZE 390K	5% 1/10W
R5290 1-216-619-11 METAL CHIP 47	0.50%1/10W		
		R5458 1-216-111-91 METAL GLAZE 390K	5% 1/10W
R5292 1-216-073-00 METAL GLAZE 10K	5% 1/10W	R5459 1-216-061-00 METAL GLAZE 3.3K	5% 1/10W



REF.NO. PART NO. DESCRIPTION	REMARK	REF.NO. PART NO. DESCRIPTION	REMARK
R5460 1-216-061-00 METAL GLAZE 3.3K	5% 1/10W	R5636 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W
R5461 1-216-298-00 METAL GLAZE 3.3K	5% 1/10W	R5637 1-216-295-00 CONDUCTOR, CHIP	376 1/1044
R5462 1-216-298-00 METAL GLAZE 2.2	5% 1/10W		
		R5638 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W
R5463 1-216-001-00 METAL GLAZE 10	5% 1/10W	R5639 1-216-660-11 METAL CHIP 2.4K	0.50%1/10W
R5464 1-216-061-00 METAL GLAZE 3.3K	5% 1/10W	R5640 1-216-666-11 METAL CHIP 4.3K	0.50%1/10W
R5465 1-216-061-00 METAL GLAZE 3.3K	5% 1/10W	R5641 1-216-295-00 CONDUCTOR, CHIP	
R5466 1-216-298-00 METAL GLAZE 2.2	5% 1/10W	R5642 1-216-057-00 METAL GLAZE 2.2K	5% 1/10 <b>W</b>
R5467 1-216-298-00 METAL GLAZE 2.2	5% 1/10W	R5643 1-216-295-00 CONDUCTOR, CHIP	
R5468 1-216-001-00 METAL GLAZE 10	5% 1/10W	R5644 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W
R5469 1-216-061-00 METAL GLAZE 3.3K	5% 1/10W	R5645 1-216-295-00 CONDUCTOR, CHIP	070 171011
R5470 1-216-061-00 METAL GLAZE 3.3K	5% 1/10W	R5646 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W
R5471 1-216-298-00 METAL GLAZE 2.2	5% 1/10W	R5649 1-216-295-00 CONDUCTOR, CHIP	
R5472 1-216-298-00 METAL GLAZE 2.2	5% 1/10W		
		R5650 1-216-295-00 CONDUCTOR, CHIP	
R5473 1-216-001-00 METAL GLAZE 10	5% 1/10W	R5652 1-216-111-91 METAL GLAZE 390K	5% 1/10W
R5474 1-216-061-00 METAL GLAZE 3.3K	5% 1/10W 5% 1/10W	R5653 1-216-111-91 METAL GLAZE 390K	5% 1/10W 5% 1/10W
R5475 1-216-061-00 METAL GLAZE 3.3K R5476 1-216-298-00 METAL GLAZE 2.2	5% 1/10W 5% 1/10W	R5654 1-216-111-91 METAL GLAZE 390K R5655 1-216-111-91 METAL GLAZE 390K	5% 1/10W 5% 1/10W
R5477 1-216-298-00 METAL GLAZE 2.2	5% 1/10W	HOUSS 1-210-111-91 WEINE GEAZE 590K	3/8 1/10**
10477 1210 230 00 WEITHE OLD ELE ELE	070 171011	R5656 1-216-061-00 METAL GLAZE 3.3K	5% 1/10W
R5478 1-216-001-00 METAL GLAZE 10	5% 1/10W	R5657 1-216-061-00 METAL GLAZE 3.3K	5% 1/10W
R5479 1-216-001-00 METAL GLAZE 10	5% 1/10W	R5658 1-216-298-00 METAL GLAZE 2.2	5% 1/10W
R5484 1-216-295-00 CONDUCTOR, CHIP		R5659 1-216-298-00 METAL GLAZE 2.2	5% 1/10W
R5486 1-216-619-11 METAL CHIP 47	0.50%1/10W	R5670 1-216-001-00 METAL GLAZE 10	5% 1/10W
R5488 1-216-071-00 METAL GLAZE 8.2K	5% 1/10W	DE074 4 040 004 00 METAL OLAZE 0 014	F0/ 4/4014/
DE 400 1 010 005 00 METAL CLAZE 17V	5% 1/10W	R5671 1-216-061-00 METAL GLAZE 3.3K	5% 1/10W 5% 1/10W
R5489 1-216-065-00 METAL GLAZE 4.7K R5490 1-208-774-11 METAL CHIP 470	0.50%1/10W	R5672 1-216-061-00 METAL GLAZE 3.3K R5673 1-216-298-00 METAL GLAZE 2.2	5% 1/10W 5% 1/10W
R5491 1-216-017-71 METAL CHIF 470	5% 1/10W	R5674 1-216-298-00 METAL GLAZE 2.2	5% 1/10W
R5494 1-216-025-00 METAL GLAZE 100	5% 1/10W	R5675 1-216-001-00 METAL GLAZE 10	5% 1/10W
R5495 1-216-025-00 METAL GLAZE 100	5% 1/10W		
		R5676 1-216-061-00 METAL GLAZE 3.3K	5% 1/10W
R5601 1-216-001-00 METAL GLAZE 10	5% 1/10W	R5677 1-216-061-00 METAL GLAZE 3.3K	5% 1/10W
R5602 1-216-295-00 CONDUCTOR, CHIP		R5678 1-216-298-00 METAL GLAZE 2.2	5% 1/10W
R5603 1-208-845-11 METAL GLAZE 1M	5% 1/10W	R5679 1-216-298-00 METAL GLAZE 2.2	5% 1/10W
R5605 1-216-295-00 CONDUCTOR, CHIP R5606 1-216-039-00 METAL GLAZE 390	5% 1/10W	R5680 1-216-001-00 METAL GLAZE 10	5% 1/10W
HOOUS 1-216-039-00 METAL GLAZE 390	5% 1/10 <b>W</b>	R5681 1-216-061-00 METAL GLAZE 3.3K	5% 1/10W
R5607 1-216-051-00 METAL GLAZE 1.2K	5% 1/10W	R5682 1-216-061-00 METAL GLAZE 3.3K	5% 1/10W
R5608 1-216-619-11 METAL CHIP 47	0.50%1/10W	R5683 1-216-298-00 METAL GLAZE 2.2	5% 1/10W
R5609 1-216-049-00 METAL GLAZE 1K	5% 1/10W	R5684 1-216-298-00 METAL GLAZE 2.2	5% 1/10W
R5610 1-216-077-00 METAL GLAZE 15K	5% 1/10W	R5685 1-216-001-00 METAL GLAZE 10	5% 1/10W
R5611 1-216-063-91 METAL GLAZE 3.9K	5% 1/10W		
		R5686 1-216-001-00 METAL GLAZE 10	5% 1/10W
R5612 1-216-659-11 METAL CHIP 2.2K	0.50%1/10W	R5687 1-216-077-00 METAL GLAZE 15K	5% 1/10W
R5613 1-216-647-11 METAL CHIP 680	0.50%1/10W	R5688 1-216-077-00 METAL GLAZE 15K	5% 1/10W
R5614 1-208-774-11 METAL CHIP 470 R5615 1-216-017-71 METAL GLAZE 47	0.50%1/10W 5% 1/10W	R5689 1-216-077-00 METAL GLAZE 15K R5691 1-216-025-00 METAL GLAZE 100	5% 1/10W 5% 1/10W
R5616 1-216-664-11 METAL CHIP 3.6K	0.50%1/10W	1 1-210-025-00 WETAL GLAZE 100	576 1/1UVV
113010 1-210-004-11 WETAE OTH 3.0K	0.50 /6 1/ 10 11	R5692 1-216-025-00 METAL GLAZE 100	5% 1/10W
R5618 1-216-043-91 METAL GLAZE 560	5% 1/10W	R5693 1-216-073-00 METAL GLAZE 10K	5% 1/10W
R5622 1-216-295-00 CONDUCTOR, CHIP		R5694 1-216-073-00 METAL GLAZE 10K	5% 1/10W
R5623 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W	R5699 1-216-295-00 CONDUCTOR, CHIP	
R5624 1-216-053-00 METAL GLAZE 1.5K	5% 1/10W	R5700 1-216-295-00 CONDUCTOR, CHIP	
R5627 1-216-295-00 CONDUCTOR, CHIP			
DECOR 4 000 704 44 METAL CUID 4 016	0 500/ 4/40144	R5701 1-216-059-00 METAL GLAZE 2.7K	5% 1/10W
R5628 1-208-784-11 METAL CHIP 1.2K	0.50%1/10W	R5703 1-216-295-00 CONDUCTOR, CHIP	0.509/ 1/1014/
R5629 1-216-671-11 METAL CHIP 6.8K R5630 1-216-667-11 METAL CHIP 4.7K	0.50%1/10W 0.50%1/10W	R5705 1-216-655-11 METAL CHIP 1.5K R5707 1-216-073-00 METAL GLAZE 10K	0.50%1/10W 5% 1/10W
R5631 1-216-673-11 METAL CHIP 8.2K	0.50% 1/10W	R5708 1-216-071-00 METAL GLAZE 10K	5% 1/10W
R5632 1-216-059-00 METAL GLAZE 2.7K	5% 1/10W		0.0 1/1011
		R5709 1-208-774-11 METAL CHIP 470	0.50%1/10W
R5633 1-216-295-00 CONDUCTOR, CHIP		R5710 1-216-017-71 METAL GLAZE 47	5% 1/10W
R5634 1-216-057-00 METAL GLAZE 2.2K	5% 1/10W	R5711 1-216-077-00 METAL GLAZE 15K	5% 1/10W
R5635 1-216-295-00 CONDUCTOR, CHIP		R5714 1-216-025-00 METAL GLAZE 100	5% 1/10W



REF.NO. PART NO.	DESCRIPTION	R	EMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R5715 1-216-025-0	0 METAL GLAZE 100	5%	1/10W			CHIP, CHECKER CHIP, CHECKER	
<resistof< td=""><td>R NETWORK&gt;</td><td></td><td></td><td></td><td></td><td></td><td></td></resistof<>	R NETWORK>						
RR5001 1-236-404-1	1 NETWORK, RES 220			*******	******	********	******
RB5002 1-236-404-1 RB5003 1-236-400-1 RB5006 1-236-400-1	1 NETWORK, RES 220 1 NETWORK, RES 100 1 NETWORK, RES 100				A-1372-259-A	H BOARD, COMPLETE	
RB5008 1-236-400-1	1 NETWORK, RES 100 1 NETWORK, RES 100 1 NETWORK, RES 220					HOLDER, LED (D8002) HOLDER, LED (D8005, D8	007)
	1 NETWORK, RES 220				<capacitoi< td=""><td>R&gt;</td><td></td></capacitoi<>	R>	
<variable< td=""><td>RESISTOR&gt;</td><td></td><td></td><td>C8004 C8006</td><td>1-163-037-11 1-163-037-11</td><td>CERAMIC CHIP 0.022MF CERAMIC CHIP 0.022MF</td><td>10% 50V 10% 50V</td></variable<>	RESISTOR>			C8004 C8006	1-163-037-11 1-163-037-11	CERAMIC CHIP 0.022MF CERAMIC CHIP 0.022MF	10% 50V 10% 50V
RV5203 1-241-394-1 RV5204 1-241-394-1	1 RES, ADJ, METAL GLAZE 1 RES, ADJ, METAL GLAZE 1 RES, ADJ, METAL GLAZE	4.7K 4.7K			<connecto< td=""><td>OR&gt;</td><td></td></connecto<>	OR>	
RV5205 1-241-394-1 RV5206 1-241-394-1	1 RES, ADJ, METAL GLAZE 1 RES, ADJ, METAL GLAZE	4.7K 4.7K				PLUG, CONNECTOR 9P PLUG, CONNECTOR 10P	
RV5208 1-241-394-1	1 RES, ADJ, METAL GLAZE 1 RES, ADJ, METAL GLAZE 1 RES, ADJ, METAL GLAZE	4.7K				PLUG, CONNECTOR 3P PLUG, CONNECTOR 3P	
	1 RES, ADJ, METAL GLAZE 1 RES, ADJ, METAL GLAZE				<diode></diode>		
RV5403 1-241-394-1 RV5404 1-241-394-1 RV5405 1-241-394-1	1 RES, ADJ, METAL GLAZE 1 RES, ADJ, METAL GLAZE 1 RES, ADJ, METAL GLAZE 1 RES, ADJ, METAL GLAZE	4.7K 4.7K 4.7K		D8002 D8004	8-719-920-55 8-719-016-73	B DIODE 1SS133T-77 DIODE SPR-54MVW DIODE STZ6.8T I DIODE TLR124	
	1 RES, ADJ, METAL GLAZE					B DIODE STZ6.8T	
RV5408 1-241-394-1 RV5409 1-241-392-1 RV5410 1-241-394-1	1 RES, ADJ, METAL GLAZE 1 RES, ADJ, METAL GLAZE 1 RES, ADJ, METAL GLAZE 1 RES, ADJ, METAL GLAZE 1 RES, ADJ, METAL GLAZE	4.7K 1K 4.7K		D8008 D8009 D8011	8-719-016-73 8-719-016-73 8-719-016-73	I DIODE TLR124 3 DIODE STZ6.8T 3 DIODE STZ6.8T 3 DIODE STZ6.8T 3 DIODE STZ6.8T	
RV5603 1-241-394-1	11 RES, ADJ, METAL GLAZE 11 RES, ADJ, METAL GLAZE	4.7K		D8013	8-719-016-73	3 DIODE STZ6.8T	
RV5605 1-241-394-1	I 1 RES, ADJ, METAL GLAZE I 1 RES, ADJ, METAL GLAZE I 1 RES, ADJ, METAL GLAZE	4.7K			<ic></ic>		
RV5607 1-241-394-1	I1 RES, ADJ, METAL GLAZE I1 RES, ADJ, METAL GLAZE	4.7K		IC8001	8-741-780-51	1 IC SBX1780-51	
RV5609 1-241-392-1	I1 RES, ADJ, METAL GLAZE I1 RES, ADJ, METAL GLAZE	1K		10004	<jack></jack>	1 BLOCK, (S) TERMINAL	
<thermis< td=""><td>TOR&gt;</td><td></td><td></td><td></td><td>1-774-753-11</td><td></td><td></td></thermis<>	TOR>				1-774-753-11		
TH5201 1-806-715-	11 THERMISTOR				<coil></coil>		
<test pin<="" td=""><td>&gt;</td><td></td><td></td><td></td><td></td><td>INDUCTOR 10UH INDUCTOR 10UH</td><td></td></test>	>					INDUCTOR 10UH INDUCTOR 10UH	
TP5203 1-535-877-2	22 CHIP, CHECKER 22 CHIP, CHECKER				<transist< td=""><td>OR&gt;</td><td></td></transist<>	OR>	
TP5403* 1-535-877-2	22 CHIP, CHECKER 22 CHIP, CHECKER 22 CHIP, CHECKER			Q8001	8-729-027-23	3 TRANSISTOR DTA114EK	A-T146



REF.NO.	PART NO.	DESCRIPTION		RE	MARK	REF.NO.	PART NO.	DESCRIPTION		R	EMARK
	<resistor></resistor>	•				C2908	1-163-263-11	CERAMIC CHIP	330pF	5%	50V
R8003	1-216-037-00	METAL GLAZE	330	5%	1/10W 1/10W	C2910		<b>CERAMIC CHIP</b>		10%	50V 50V
		METAL GLAZE			1/10W			CERAMIC CHIP		10%	50V
		METAL GLAZE			1/10W			CERAMIC CHIP		5% 5%	50V 50V
H8008	1-216-05/-00	METAL GLAZE	2.2K	5%	1/10W	02913	1-103-203-11	CERAMIC CHIP	ззирг	5%	50 V
		METAL GLAZE			1/10W			CERAMIC CHIP		5%	50V
		METAL GLAZE METAL GLAZE			1/10W 1/10W			CERAMIC CHIP		5%	50V 50V
H8013	1-216-081-00	CONDUCTOR, C	ZZN	3%	1/1044			CERAMIC CHIP		10%	50V
		CONDUCTOR, C						CERAMIC CHIP		5%	50V
R8019	1-216-295-00	CONDUCTOR, C	CHIP			C2919	1-163-121-00	CERAMIC CHIP	150pF	5%	50V
		METAL GLAZE		5%	1/10W			CERAMIC CHIP			
		METAL GLAZE			1/10W			CERAMIC CHIP			50V
		METAL GLAZE		5%	1/10W	C2922	1-126-967-11	ELECT	47MF	20%	16V
						C2923	1-164-346-11	CERAMIC CHIP	1MF		16V
	<switch></switch>						1-126-967-11		47MF	20%	16V
							1-126-967-11		47MF	20%	
		SWITCH, TACTI		HANG	E]			CERAMIC CHIP		20%	16V
		SWITCH, TACTII					1-126-967-11 1-126-967-11		47MF 47MF	20%	
		SWITCH, TACTI				OESES	1-120-307-11	LLLO	77 1011	2070	101
		SWITCH, TACTI				C2930	1-126-967-11	ELECT	47MF	20%	16V
						C2931	1-164-346-11	CERAMIC CHIP	1MF		16V
								CERAMIC CHIP			16V
							1-126-967-11		47MF	20%	
********	*****	******	******	*****	**********	C2935	1-126-967-11	ELECT	47MF	20%	16V
•	A-1388-189-A	J BOARD, COM	PLETE					CERAMIC CHIP			16V
		***************************************	*******					CERAMIC CHIP ELECT	1MF 47MF	20%	16V
									0.0015MF		
						1	1-102-119-00		0.0015MF		
	<capacitoi< td=""><td>R&gt;</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></capacitoi<>	R>									
C2003	1-126-964-11	ELECT	10MF	20%	50V		<connecto< td=""><td>OR&gt;</td><td></td><td></td><td></td></connecto<>	OR>			
	1-126-964-11		10MF	20%							
	1-126-967-11		47MF	20%				CONNECTOR,		BOAR	D 40P
		CERAMIC CHIP		10%		CN2823	*1-564-524-11	PLUG, CONNEC	CTOR 9P		
C2401	1-164-005-11	CERAMIC CHIP	0.4/MF		16V						
	1-126-933-11		100MF	20%			<diode></diode>				
		CERAMIC CHIP		20%	16V	D2004	9 710 022 60	DIODE MTZJ-T-	77.0.14		
	1-126-966-11 1-126-967-11		33MF 47MF	20%				DIODE MTZJ-T-			
	1-126-967-11		47MF	20%				DIODE MTZJ-T-			
OLTE	1 120 307 11	LLLOI	77700	2070				DIODE MTZJ-T-			
C2423	1-163-031-11	CERAMIC CHIP	0.01MF		50V	D2405	8-719-923-60	DIODE MTZJ-T-	77-9.1A		
C2424	1-163-263-11	CERAMIC CHIP	330pF	5%	50V						
		CERAMIC CHIP	•	5%	50V			DIODE MTZJ-T-			
	1-126-967-11		47MF	20%				DIODE MTZJ-T-			
C2427	1-164-346-11	CERAMIC CHIP	1MF		16V			DIODE MTZJ-T-			
C2429	1.164.246.11	CERAMIC CHIP	1ME		16V			DIODE MTZJ-T-			
	1-104-346-11		330MF	20%		22303	3713320-00	5.00E III 20 1	.,		
		CERAMIC CHIP			50V			DIODE MTZJ-T-			
C2901	1-163-011-11	CERAMIC CHIP	0.0015MF	10%				DIODE MTZJ-T-			
		CERAMIC CHIP				D2906	8-719-923-60	DIODE MTZJ-T-	77-9.1A		
								DIODE MTZJ-T-			
		CERAMIC CHIP		5%	50V	D2908	8-719-923-60	DIODE MTZJ-T-	77-9.1A		
		CERAMIC CHIP		5%	50V	Dagge	0.740.000.00	DIODE MITTIE	77.0.4.5		
	1-101-004-00		0.01MF	E0/	50V 50V			) DIODE MTZJ-T- ) DIODE MTZJ-T-			
C290/	1-103-203-1	CERAMIC CHIP	Soope	5%	30 V	1 02910	0-113-323-00	DIODE MIZD-1-	11-3.1M		



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION		R	EMARK
D2911 8	2-719-923-60	DIODE MTZJ-T-77-9.1A		JB2902	1-216-295-00	CONDUCTOR, (	CHIP		
		DIODE MTZJ-T-77-9.1A		0112002	. 210 200 00	00.1200.0.1,	J		
		DIODE MTZJ-T-77-9.1A		JR2903	1-216-295-00	CONDUCTOR,	CHIP		
		DIODE MTZJ-T-77-9.1A				_			
		DIODE MTZJ-T-77-9.1A			<transisto< td=""><td>)R&gt;</td><td></td><td></td><td></td></transisto<>	)R>			
		DIODE MTZJ-T-77-9.1A		00004	0.700.000.74	TRANSISTOR O	0004401/ 0	_	
		DIODE MTZJ-T-77-9.1A				TRANSISTOR 2			
D2920 8	3-719-923-60	DIODE MTZJ-T-77-9.1A				TRANSISTOR 2 TRANSISTOR 2			
D0004 (	740 000 00	DIODE MT7   T 77 0 1 A				TRANSISTOR 2			
		DIODE MTZJ-T-77-9.1A				TRANSISTOR 2			
		DIODE MTZJ-T-77-9.1A DIODE MTZJ-T-77-9.1A		Q2403	0-729-920-74	I HAINSIS I ON 2	302412N-Q	П	
		DIODE MTZJ-T-77-9.1A		02404	8-729-920-74	TRANSISTOR 2	SC2412K-O	R	
		DIODE MTZJ-T-77-9.1A		QLTOT	0 720 020 74	770 000 0000	OOL WENT		
D2323 (	3-713-323-00	DIODE WILES I 77 S.IA							
D2926 8	8-719-923-60	DIODE MTZJ-T-77-9.1A			<resistor></resistor>				
		DIODE MTZJ-T-77-9.1A			4, 120,0 , 0 , 1,				
		DIODE MTZJ-T-77-9.1A		R2003	1-216-113-00	METAL GLAZE	470K	5%	1/10W
		DIODE MTZJ-T-77-9.1A		R2005	1-216-113-00	METAL GLAZE	470K	5%	1/10W
		DIODE MTZJ-T-77-9.1A		R2006	1-249-421-11	CARBON	2.2K	5%	1/4W
				R2007	1-249-421-11	CARBON	2.2K	5%	1/4W
D2932 8	8-719-923-60	DIODE MTZJ-T-77-9.1A		R2401	1-216-009-00	METAL GLAZE	22	5%	1/10W
						METAL GLAZE		5%	1/10W
•	<ic></ic>					METAL GLAZE		5%	1/8W
						METAL GLAZE		5%	1/10W
		IC CXA1855S				METAL GLAZE		5%	1/8W
IC2402	8-759-073-00	IC TEA2114		H2407	1-216-025-00	METAL GLAZE	100	5%	1/10W
				D0440	1 016 174 00	METAL GLAZE	100	5%	1/8W
	IACK					METAL GLAZE		5% 5%	1/8W
,	<jack></jack>					METAL GLAZE		5%	1/10W
10004	1 507 505 11	TERMINAL BOARD (2P)				METAL GLAZE		5%	1/10W
		TERMINAL BLOCK, S				METAL GLAZE		5%	1/10W
		SOCKET, PIN 21P		112414	1 210 022 00	WEINE GENEE	, 0	0 70	1,1011
		TERMINAL BLOCK, S		R2416	1-216-113-00	METAL GLAZE	470K	5%	1/10W
		SOCKET, PIN 21P				METAL GLAZE		5%	1/10W
02000				R2419	1-216-113-00	METAL GLAZE	470K	5%	1/10W
J2906	1-695-296-11	TERMINAL BLOCK, S		R2420	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
		SOCKET, PIN 21P		R2421	1-216-022-00	METAL GLAZE	75	5%	1/10W
						METAL GLAZE		5%	1/10W
	<chip cone<="" td=""><td>OUCTOR&gt;</td><td></td><td></td><td></td><td>METAL GLAZE</td><td></td><td>5%</td><td>1/8W</td></chip>	OUCTOR>				METAL GLAZE		5%	1/8W
						METAL GLAZE		5%	1/8W
		CONDUCTOR, CHIP			1-249-393-11			5%	1/4W F
		CONDUCTOR, CHIP		R2429	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
		CONDUCTOR, CHIP		20100	4 040 005 00	METAL OLAZE	4 714	<b>50</b> /	4/40144
		CONDUCTOR, CHIP				METAL GLAZE		5%	1/10W
JR8	1-216-295-00	CONDUCTOR, CHIP				METAL GLAZE		5%	1/10W
ID0	1 010 005 00	COMPLICTOR CLUB				METAL GLAZE		5%	1/10W
		CONDUCTOR, CHIP				CONDUCTOR,		5%	1/8W
		CONDUCTOR, CHIP CONDUCTOR, CHIP		H2434	1-210-190-91	WETAL GLAZE	II	376	I/OVV
		CONDUCTOR, CHIP		B2435	1-216-049-00	METAL GLAZE	1K	5%	1/10W
		CONDUCTOR, CHIP				METAL GLAZE		5%	1/10W
onio	1-210-230-00	COMBOOTOR, ORIN				METAL GLAZE		5%	1/10W
JR50	1-216-296-00	CONDUCTOR, CHIP				CONDUCTOR,		3.0	
		CONDUCTOR, CHIP				CONDUCTOR,			
		CONDUCTOR, CHIP							
		CONDUCTOR, CHIP		R2440	1-216-296-00	CONDUCTOR,	CHIP		
		CONDUCTOR, CHIP				METAL GLAZE		5%	1/10W
				R2902	1-216-039-00	METAL GLAZE	390	5%	1/10W
JR2401	1-216-295-00	CONDUCTOR, CHIP				METAL GLAZE		5%	1/10W
		CONDUCTOR, CHIP		R2904	1-216-113-00	METAL GLAZE	470K	5%	1/10W
		CONDUCTOR, CHIP							
JR2901	1-216-295-00	CONDUCTOR, CHIP		R2905	1-216-039-00	METAL GLAZE	390	5%	1/10W

## J TA TB

The components identified by shading and mark  $\bigwedge$  are critical for safety. Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION		REMARK	REF.NO. PART NO.	DESCRIPTION	REMARK
Pagne	1.216.020.00	METAL GLAZE	390 5%	1/10W	R2964 1-216-022-00	METAL GLAZE 75	5% 1/10W
		METAL GLAZE			R2967 1-216-171-00		5% 1/8W
						METAL GLAZE 1.8K	5% 1/10W
		METAL GLAZE			H2968 1-216-055-00	METAL GLAZE 1.6K	3% 1/10W
H2909	1-216-113-00	METAL GLAZE	470K 5%	1/10W	B0000 1 016 055 00	METAL CLAZE 10V	5% 1/10W
D0040		METAL OL 475	4.016 50/	4/4014/		METAL GLAZE 1.8K METAL GLAZE 1.8K	5% 1/10W 5% 1/10W
		METAL GLAZE					
		METAL GLAZE				METAL GLAZE 1.8K	5% 1/10W
		METAL GLAZE				METAL GLAZE 1.8K	5% 1/10W
		METAL GLAZE			H2973 1-216-055-00	METAL GLAZE 1.8K	5% 1/10W
R2915	1-216-113-00	METAL GLAZE	470K 5%	1/10W			
						METAL GLAZE 1.8K	5% 1/10W
		METAL GLAZE		1/10W		METAL GLAZE 470K	5% 1/10W
R2917	1-216-171-00	METAL GLAZE	75 5%	1/8W	R2976 1-216-055-00	METAL GLAZE 1.8K	5% 1/10W
		METAL GLAZE		1/8W	R2977 1-216-055-00	METAL GLAZE 1.8K	5% 1/10W
R2919	1-216-063-91	METAL GLAZE	3.9K 5%	1/10W			
R2920	1-216-063-91	METAL GLAZE	3.9K 5%	1/10W			
						*********	
		METAL GLAZE					
		METAL GLAZE				T. BOARD 00:	
		METAL GLAZE			* A-1390-621-A	TA BOARD, COMPLETE	
		METAL GLAZE				*********	
R2925	1-216-089-00	METAL GLAZE	47K 5%	1/10W			
D0000	4 040 000 00	METAL CLAZE	200 59/	1/10/4/			
		METAL GLAZE			<connecto< td=""><td>OD.</td><td></td></connecto<>	OD.	
		METAL GLAZE			<connecto< td=""><td>JR&gt;</td><td></td></connecto<>	JR>	
		METAL GLAZE			01/050114 504 540 44	DI 110 00414150700 00	
		METAL GLAZE			UN950111-564-518-11	PLUG, CONNECTOR 3P	
R2930	1-216-113-00	METAL GLAZE	470K 5%	1/10W			
D2021	1.216.062-01	METAL GLAZE	3.9K 5%	1/10W	<switch></switch>		
D2020	1 216 112 00	METAL GLAZE	470K 5%				
					S0501 1 570 245 11	SWITCH, MICRO (SENSO	D (LAMP COV)
		METAL GLAZE			39301 1-370-243-11	SWITCH, MICHO (SENSO	IN (LAWIT COV)]
		METAL GLAZE					
H2935	1-216-022-00	METAL GLAZE	75 576	1/1044			
R2936	1-216-171-00	METAL GLAZE	75 5%	1/8W	*********	***********	*******
B2937	1-216-113-00	METAL GLAZE	470K 5%	1/10W			
		METAL GLAZE		1/10W	* A-1390-622-A	TB BOARD, COMPLETE	
		METAL GLAZE				********	
		METAL GLAZE					
1.2010	, 2,0 000 0						
R2941	1-216-113-00	METAL GLAZE	470K 5%	1/10W			
R2942	1-216-039-00	METAL GLAZE	390 5%	1/10W	<connecto< td=""><td>OR&gt;</td><td></td></connecto<>	OR>	
R2943	1-216-089-00	METAL GLAZE	47K 5%	1/10W			
R2944	1-216-039-00	METAL GLAZE	390 5%	1/10W	CN9551*1-564-518-11	PLUG, CONNECTOR 3P	
R2945	1-216-089-00	METAL GLAZE	47K 5%	1/10W			
		METAL GLAZE			<switch></switch>		
		METAL GLAZE					
		METAL GLAZE			S9551 1-570-245-11		
R2950	1-216-063-91	METAL GLAZE	3.9K 5%	1/10W		[SENSO	R (FILTER COV)]
		METAL GLAZE		5 1/10W			
			1701/	4 (4 0) 4 (			
		METAL GLAZE				*************************	
		METAL GLAZE			*****************		
		METAL GLAZE					
		METAL GLAZE				MISCELLANEOUS	
R2956	1-216-089-00	METAL GLAZE	47K 5%	6 1/10W		******	
Dones	1.016 000 00	METAL GLAZE	390 5%	6 1/10W	1-251-450-11	BOOSTER, RF	
					<ul> <li>Description of the property of th</li></ul>	OPTICAL UNIT	
		METAL GLAZE				POWER BLOCK	
		METAL CHIP		50%1/10W			
		METAL CHIP		50%1/10W		SPEAKER (5.7CM)	
H2961	1-216-674-11	METAL CHIP	9.1K 0.5	50%1/10W	1-505-208-11	I SPEAKER (10CM)	
Booco	1-216-022-00	METAL GLAZE	75 5%	6 1/10W	↑ 1-533-746-11	I THERMOSTAT	
		METAL GLAZE				CORE ASSY, BEAD (DIVI	SION TYPE)
112303	1-210-022-00	, METAL GLAZE	.5	1,1011	1 10-0 000 1		

The components identified by shading and mark  $\triangle$  are critical for safety. Replace only with part number specified.

REF.NO. PART NO. DESCRIPTION	REMARK	REF.NO. PART NO.	DESCRIPTION	REMARK
1-698-696-11 FAN, DC <u>1-765-286-11 CORD, POWER 10A/250V</u>				
(except for KL-3 ±1-776-860-11 POWER CORD, FILTER (UI				
	37W1U/50W1U)			
*1-777-539-11 CABLE, PIN				
REMOTE COMMANDER				
1-473-407-11 COMMANDER, STANDARD	) (RM-838)			

## SONY. SERVICE MANUAL

# LE-1 CHASSIS

MODEL COMMANDER DEST.

KL-37W1 RM-838 AEP

KL-37W1K RM-838 UK

MODEL COMMANDER DEST.

KL-50W1 RM-838 AEP

KL-50W1K RM-838 UK

## **SUPPLEMENT-1**

SUBJECT: ADD ON ADJUSTMENTS

File this supplement with the service manual.

#### SECTION 3 CIRCUIT ADJUSTMENTS (See page from 22 to 28)

#### TABLE OF CONTENTS

Section	<u>Title</u>	<u>Page</u>
C Board	d Adjustment	2
A Board	d Adjustment	6
Sub BR	RT, Sub PIX Adjustment	7
White E	Balance Adjustment	8



ADJUSTMENT	ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
C BOARD ADJUS  1. PLL fo Adjustme					
(1) WIDE Mode					
1) Change to "WI					
2) Input to monos	-	monoscope			
	YNC input" CN5202 1pin input to	signal	:		
open (no signal					
	resister between 2pin of IC5004 and	F	1-1-5105004		
IP5009, then of IC5004.	connect frequency counter to 1pin of	Frequency counter	1pin of IC5004.		
	d adjust to 13.67 ± 0.1 MHz.			L5002	13.67 ± 0.1 MHz
	C for PAL double speed.				
	the waveform for TP5007 <rpd2></rpd2>		TP5007		
shall be Fig.					2.3 ± 0.3 V
(2) 4.3 Mode					
1) Change to "4:	3 Mode".				31.78 μs
2) Input to monos	cope signal.	monoscope			
<ol> <li>Change H. SY signal).</li> </ol>	NC CN5202 1pin input to open (no	signal			
<ol> <li>Connect 100 Ω</li> </ol>	resister between 2pin of IC5004 and				
	connect frequency counter to 1pin of		lpin of IC5004		
IC5004.				L5004	10.22 ± 0.05 MHz
	d Adjust to 10.22 ± 0.05 MHz.				
1	C for PAL double speed.				
	ne waveform of TP5004 <rpd1> shall</rpd1>		TP5004		2.5 ± 0.3 V
be Fig.					

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
<ol> <li>r curve adjustment</li> <li>Change to "WIDE Mode".</li> <li>Input PAL double speed signal 10 step. Fig-1</li> <li>R ch</li> <li>Connect Oscilloscope to TP5201 <r>.</r></li> <li>Add 2.25 ± 0.02 V to TP5211 <rlbs> <ul> <li>3.95 ± 0.02 V to TP5210 <rhbs></rhbs></li> <li>by DC power supply.</li> </ul> </rlbs></li> <li>Confirm that the signal level under 10 IRE and above 80 IRE is increased with above condition. Fig-2</li> <li>Adjust RV5201 <rl, gain=""> so that signal level of "0 IRE~10 IRE" might be 130 ± 10 mV. Fig-3</rl,></li> <li>Turn RV5209 <rh gain=""> to the left direction by aplox 150° and adjust so that "90 IRE~100 IRE" might be minimum. Fig-4 (In Case that "100 IRE~GND" is above 3.7 V; Adjustment is N.G)</rh></li> </ol>	PAL double speed signal 10 step.  Oscilloscope more than 100MHz	POSITION	RV5201 RV5209	2.0 ± 0.02 Vp-p  Fig-1  60 mV  40 mV  Fig-2  10 IRE  R ch 130 mV  Fig-3
<ol> <li>(4) G ch</li> <li>1) Connect Oscilloscope to TP5401 <g>.</g></li> <li>2) Add 2.25 ± 0.02 V to TP5411 <glbs>         3.95 ± 0.02 V to TP5410 <ghbs>         by DC power supply.</ghbs></glbs></li> <li>3) Confirm that the signal level under 10 IRE and above 90 IRE is increased with above condition. Fig-1</li> <li>4) Turn RV5401 <gl, gain=""> to the right direction and adjust so that "0 IRE~10 IRE" might be 180 ± 10 mV. Fig-5</gl,></li> <li>5) Change TP5411 <glbs>, TP5410 <ghbs> to OPEN.</ghbs></glbs></li> <li>6) Turn RV5402 <gl, bias=""> to the left direction and adjust so that "10 IRE~40 IRE" might be 380 ± 10 mV. Fig-6</gl,></li> </ol>	Oscilloscope	TP5401	RV5401 RV5402	Fig-4  Fig-4  Fig-5  O IRE  Fig-5  G ch 380 mV  Fig-6

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
(5) B ch				
1) Connect Oscilloscope to TP5601 <b></b>	Oscilloscope	TP5601		
2) Add $2.20 \pm 0.02 \text{ V}$ to TP5611 <blbs></blbs>				
$3.95 \pm 0.02 \text{ V to TP5610} < BHBS>$	DC power			65 mV
by DC power supply.	supply			90 IRE
3) Confirm that the signal level under 10 IRE and above				
80 IRE is increased with above condition Fig-2				10 IRE B ch 160 mV
4) Turn RV5601 <bl, gain=""> to the right direction and</bl,>			RV5601	
adjust so that "0 IRE" 10 IRE" might be "160 $\pm$ 10 mV"				
Fig-7				
5) Turn RV5609 <bh, gain=""> and adjust so that</bh,>			RV5609	
"90 IRE~100 IRE" might be "65 ± 10 mV"				
(RV5609 can be adjusted at mechanical center of the				2.0 ± 0.02 Vp-p
VR to obtain above metioned condition. In case that				Fig-8
"100 IRE~GND" is above 3.7 V Adjustment is N.G)				GND 27 ± 0 02 V
Fig-7				
(6) IC level adjustment (R ch)				
1) Change to "WIDE Mode".				
<ol><li>Input PAL double speed signal 10 step waveforms.</li></ol>	PAL double			
Fig-8	speed signal 10			
3) Add 0 V to TP5211 <rlbs> and 9 V to TP5210</rlbs>	step (Pedestal			
<rhbs> by DC power supply.</rhbs>	2.7 V)			R ch 6.2 ± 0.02 Vp-p
4) Adjust the level by RV5205 < R-GAIN> as "0 IRE~				G ch 9.6 ± 0.02 Vp-p
100 IRE" on TP5203 <r-sig2> is <math>1.50 \pm 0.02</math> Vp-p.</r-sig2>	DC power	TP5203	RV5205	B ch 6.7 ± 0.02 Vp-p
Fig-9	supply			G ch 3.10 ± 0.02 Vp-p
5) Adjust by RV5206 < R-BIAS > so that "Positive po-			RV5207	B ch 1.50 ± 0.02 Vp-p
larity 0 IRE~Negative polarity 0 IRE" might be 6.2 ±				
0.02Vp-p. Fig-9				1.35
6) By RV5203 <r-s, gain1="">, RV5207 <r-s,< td=""><td></td><td></td><td></td><td></td></r-s,<></r-s,>				
BIAS1>, adjust the waveform for TP5202 <r-sig1></r-sig1>		TP5202		
to the waveform TP5203 <r-sig2>. (within± 0.02 V)</r-sig2>	·	TP5203		
			·	

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION		ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER	
7) By RV5204 <r-s, gain2=""> &amp; RV5208 <r-s, bias2="">, adjust the waveform for TP5204 <r-sig3> to</r-sig3></r-s,></r-s,>		TP520		RV5204 RV5208		
the waveform for TP5203 <r-sig2>. (within <math>\pm</math> 0.02 V)</r-sig2>			<u>'</u>	R ch	G ch	B ch
Fig-9			-Sig 1	TP5202	TP5402	TP5602
8) Confirm that the waveform for TP5203 <r-sig2> is</r-sig2>		1 -				
within standard mentioned.		-	-Sig 2	TP5203	TP5403	TP5603
(7) IC I and Adinates and (C al.)			-Sig 3	TP5204	TP5404	TP5604
<ul><li>(7) IC Level Adjustment (G ch)</li><li>1) Proceed 4)~8) by the same way as R ch.</li></ul>			LBS	TP5211	TP5411	TP5611
2) Proceedure 3) to add external voltage must not be			HBS	TP5210	TP5410	TP5610
done.			-GAIN	RV5205	RV5405	RV5605
As for "related VR" and "output terminal" please re-			-BIAS	RV5206	RV5406	RV5606
fer to the Fig.			-S.GAIN 1	RV5203	RV5403	RV5603
(8) IC Level Adjustment (B ch)			-S.BIAS 1	RV5207	RV5407	RV5607
1) Proceed 3)~8) by the same way as R ch.			-S.GAIN 2	RV5204	RV5404	RV5604
As for "related VR" and "output terminal" please re-			-S.BIAS 2	RV5208	RV5408	RV5608
fer to the Fig.			0.511.0 2		1	
(9) V com Adjustment	Oscilloscope					
1) Change to "WIDE Mode".						
2) Input PAL double speed signal 10 steps waveform.	PAL double	TP520	3	RV5211		
Fig-10	speed signal 10					
3) Measure the voltage on TP5203 (R ch out).	step					
4) Adjust RV5211 < RVCOM > so that the voltage on					_ ا	
TP5205 < R-V comout> might be $-0.6 \text{ V} \pm 0.02 \text{ V}$ .		TP520				2.0 ± 0.02 Vp-p
5) Measure the voltage on TP5403 (G ch out).		TP540	13		۲	
6) Adjust RV5411 < GVCOM> so that the voltage on				RV5411		2.7 ± 0.02 V
TP5405 (G-V com out) might be $-0.5 \pm 0.02$ V.					GNV	
7) Measure the voltage on TP5603 (B ch out).		TP560			F	ig-10
8) Adjust RV5611 <bvcom> so that the voltage on</bvcom>		TP560	5	RV5611	,,	9 .0
TP5605 <r-v com="" out=""> might be <math>-0.8 \text{ V} \pm 0.02 \text{ V}</math>.</r-v>						

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
A BOARD ADJUSTMENT  (1) Pre-adjustment on "2G" output level.  1) Change following two data as follows.  CXA1839 "22 DC Tran" 1→0  "23 Dyn PIC" 2→0  2) Input 10-step swaveform on 1 Vpp (75 Ω terminated value) to Video 1 input.  3) Set picture control to RESET.  4) Adjust CXA1839Q "3. Sub-CON1" so that the level from 0 IRE to 100 IRE on TP1002 "2G" can approach to 2.4 Vp-p the most.  5) Adjust CXA1839Q "1. Sub-BRT" so that the level of 0 IRE on "2G" can approach to 2.9 Vdc the most.  (2) HUE, COLOR Adjustment  1) Input 75% full field color bar to Video INPUT 1.  2) Adjust CXA1839Q "2. Sub COL1" so that the peak level for 2 pulse on both right and left side on TP1003 "2B" can be equal.  3) Adjust CXA1839Q "9. Sub HUE" so that the peak level of 2 pulse in the center on "2B" can be equal.  4) Return following two data.  CXA1839 "22 DC Tran: 0→1  "23 Dyn PIC: 0→1	Oscilloscope  Oscilloscope			AND NUMBER  100 IRE  2.9 V DC  Adjust '9. SHUE'

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
SUB BRT, SUB PIX ADJUSTMENT  (1) Sub BRT Adjustment  1) Input 10 step signal to Video, 1 picture mode: smart Setup as follows PIX=90% COL=50% BRT=50% SHP=50%  2) Change two data as follows. CXA1839 "22 DC Tran"1→0 "23 Dyn PIC" 2→0  3) Connect Oscilloscope to TP5403.  4) Adjust B with CXA2011 "3. Sub Bright" as 8.2 V ± 0.02 V.  5) Adjust A with CXA2011 "1. Drive Level" as 2.9 V ± 0.02 Vpp.  6) Return following data as follows. CXA1839 "22 DC Tran" 0→1 CXA1839 "23 Dyn PIC" 0→2	EQUIPMENT AND SIGNAL  10 step signal  Oscilloscope	MEASUREMENT POSITION  TP5403	CXA1839 "22 DC Tran" "23 Dyn PIC"	ILLUSTRATION AND SHAPE AND NUMBER

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
<ol> <li>WHITE BALANCE ADJUSTMENT         <ol> <li>Keep set with aging condition more than 15 min.</li> <li>Change to following data.</li> <li>CXA1839 "22 DC Tran"→0</li></ol></li></ol>	30 IRE Flat filed signal  70 IRE Flat field signal		CXA2011 12R cutoff 14B cutoff  CXA2011 9R Drive 11B Drive	Standard X=0.2952 with in 4JND Y=0.3047  Standard X=0.2952 Y=0.3047 with in 5JND
<ul> <li>30 IRE, 70 IRE is within standard.</li> <li>8) Input 20 IRE flat fild signal.</li> <li>9) Adjust with CXD2412 "7. RL Bias" or "6. BL Bias" so that can approach to adjusting center the most.</li> <li>10) Return following two data.  CXA1839 "22. DC Tran"→0  "23. Dyn PIC" →2</li> <li>11) Confirm that color from 0 to 100 IRE each steps on the screen should be uniform and it does not differ much from other part.</li> </ul>	20 IRE Flat fild signal  PAL 10 step signal		CXD2412 7. RL Bias 6. BL Bias	Adjustment Center X=0.2952 Y=0.3047

## SONY. **SERVICE MANUAL**

# LE-1 CHASSIS

MODEL

COMMANDER DEST.

RM-838 KL-37W1

**AEP** 

RM-838

**OIRT** 

KL-37W1U

KL-37W1K

RM-838 UK MODEL

COMMANDER DEST.

KL-50W1

RM-838

**AEP** 

*KL-50W1K* 

RM-838

**OIRT** 

KL-50W1U

RM-838

UK

### **CORRECTION-1**

SUBJECT: A CERTAIN FIGURE WAS MISSING, AND THEREFORE IT IS ADDED HERE.

File this CORRECTION-1 with the service manual.

: Indicates corrected portion

#### **SECTION 3 CIRCUIT ADJUSTMENTS**

3-1. ELECTRICAL ADJUSTMENTS (See page 22)

Service adjustment to this model can be performed with the supplied remote commander, RM-

#### **HOT TO ENTER INTO SERVICE MODE**

1. Turn on the main power switch of the set while pressing the + (plus) and - (minus) buttons on the customer front panel.

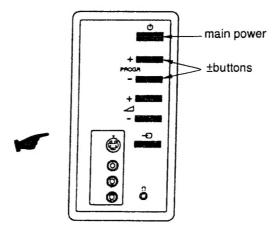


Fig. 4-1



## SONY. SERVICE MANUAL

# LE-1 CHASSIS

MODEL

COMMANDER DEST.

KL-37W1

RM-838

AEP

KL-37W1K

KL-37W1U

RM-838 OIRT

RM-838 UK

MODEL

COMMANDER DEST.

KL-50W1

KL-50W1K

RM-838

RM-838

OIRT

**AEP** 

KL-50W1U

RM-838

UK

### **CORRECTION-2**

SUBJECT: CORRECTION OF REPAIR PART NO.

File this CORRECTION with the service manual.

: Indicates corrected portion

#### SECTION 5 EXPLODED VIEWS

5-3. SCREEN MIRROR BLOCK AND OPTICS UNIT

[KL-37W1/37W1K/37W1U] (See page 88)

Incorrect			Correct				
REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO. PART NO.	DESCRIPTION	REMARK		
119 ▲1-473-544-13 OPTICAL UNIT		119 1-473-544-21	OPTICAL UNIT				
			•				

## 5-6. SCREEN MIRROR BLOCK AND OPTICS UNIT

Incorrect			Correct				
REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO. PART NO.	DESCRIPTION	REMARK		
119 <u>↑</u> 1-473-544-13	OPTICAL UNIT		119 1-473-544-21	I OPTICAL UNIT			
			4				
***************************************			4				

#### SECTION 6 ELECTRICAL PARTS LIST (See page 122)

Incorrect	Correct				
REF.NO. PART NO. DESCRIPTION	REMARK	REF.NO. PART NO.	DESCRIPTION	REMARK	
MISCELLANEOUS			MISCELLANEOUS		
∆1-473-544-13 OPTICAL UNIT	<u> </u>				
		•			

